

gccatgctgt ggcaactcca ttttagggtc tgggcatgta aggattactg nattaatcca 600
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<210> 1220

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1220

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<210> 1221

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1221

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cagtagtaga actgttgata ggatttgaat tcctatagct atctatgcct tgataaactt 180
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<210> 1222

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1222

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aatccaaaca aatcagaaaa aaaatgaaat gactcaatag aaaaatggac aaagccattc 240
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tacctataat taaagaaact acatcagggt ctgaaaaga tttagtatag ttaatgttag 360
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<210> 1223

<211> 873

<212> DNA

<213> Homo sapiens

<400> 1223

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 aagcttttgc agatcctgag gtactccgga gactgacatc ctcagttagt tgtgcactgg 240
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 aacaccagtg caggtcatgt ggaagttgca agagtccttt anatcatggg cagcatnaac 780
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<210> 1224

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1224

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ggaaggccgg agcagcaaat ggatttctca tggaaagttg tgttgattca gtggaatcag  180
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tactagagac tcgggaatga agtttcgaaa tcatctggtg ncatgggaac ctnactttct  780
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<210> 1225

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1225

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gcaaagatta catgacaagg aaaaaccaga aaagtatggc ccatacacag gtaaaaaaag 180
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 aattaggaaa gcaatgtctc atccaatata gaatatcaat aaagagattg aaattgtaga 360
 aaagaaccaa atagaaattc tggagttgaa aagtattata actaaaactg aaaattcact 420
 agaggtattc agcagcagac tggagaagtc agaagaaaga atcaacaggc ttcaagatag 480
 gtcaattaag attatacagt ctgaggagca gaaaggaaaa agaatagaaga aaaatgaaca 540
 gagcataaaa gacctctggg actctatcaa gcataccagt atatgcatga ggggagtccc 600
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 ccagctttga tgaaatacat gaatctagat attcaagang ctcaaagaac cctaaatagg 720
 gtaaactcag aagacccaac cggatgcaaa gtgactgggtg tgggtggcagt gccgggggtcc 780
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<210> 1226

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1226

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 tgaaaatgag ggtttcttaa ctacactga gagcggaag gggcagaccc ttttcataac 240
 tccctcaagt gtgtgttacc tttctttacc agcatggtaa gcaacaggac atatccagc 300
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 cactggcttt ctgccgttc atgtgctttg gaaaaagcag gagaagcaat agcagcagga 420
 gtccccagca gctggagccg caagaatgaa ctgcaaagag ggaactgaca gcagctgcgg 480
 ctgcaggggc aacgacgaga agaagatgtt gaagtgtgtg gtggtggggg acggtgccgt 540

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<210> 1227

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1227

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 gcctgccccca tcacctgaat tccagagatg ccagtgtgca ctgaacccca ggcagggcgt 660
 gccaggacc ggatcctgga tgggtggtaan ggacaaagct ggaagggaga cttcagggaa 720
 ggagaaagga aagaagcana gccatgaccc agtcaactta canaatgctg ggagtcaaaa 780
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<210> 1228

<211> 888

<212> DNA

<213> Homo sapiens

<400> 1228

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agctacaaca ttttctctct cccctccctc cccaccagcc ccttccccac caagaactgc  180
tatgatgtcc caaagtgagg tgttgttgat tccagttcct atgggatttt ctgactttta  240
tgtttgcaag gcatttcacc agaatacagc tataaacggc cgctcccaac aactgggctc  300
tgactcacc acaccactt agtgtccact aagtagtcca gggtgactca gttaaagcac  360
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acccaaaaac ctgagtggtt tacagattta ttttccactc acatgtttgt aatgatccat  660
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atgttggtct taaganggae aagaaagggt ggaaccacat gatggctctt tcattcttccg  780
ctaggaaatg ataccttcta ctttcatgac atttcattag cccaacaag tctgtgacag  840
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<210> 1229

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1229

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ttgactacat cagtccgcac ctgccagtg aagcaaagga cgggttatct tttttttttt 180
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 naggatcaga ctttttaaat gtttggaatt caagatactt taggaagagg accaactctg 360
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 gacaaagaac aaggcaacga gaagaccaac aacggnactc actacaagtt acagctcctc 660
 tacagcaacg gtgtccgcac ggaacaggac ctctatgtca ggctcatcga cttcggtcac 720
 caagcagccc atcnttccan ggacagaatt agaatcccga aatgtgccga gttcttctga 780
 cgcacgaagt ggatgcgtan gtccaatgct 810

<210> 1230

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1230

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<210> 1231

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1231

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<210> 1232

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1232

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ggtggctaag gagagctca 679

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<210> 1233

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1233

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<210> 1234

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1234

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 gggatattct ggaaaatgct tagatcaaac aagaccacat tcattcatgg agaaagagtg 240
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 tctttgtaaa gggatgtaat ctcaaattct aactttcaag ctgccaggct tggnttgctt 660
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<210> 1235

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1235

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<210> 1236

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1236

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tgctgtaaac cctgctacaa ttggaagaga aaaggatatg gaacatactc tccgaatccc 240
tgaagtttgt gtcagtaagt ttcattgaga aatttatatt gaccatgact tacaagtta 300
tgtccttgtg gatcaaggca gtcaaaatgg cacaattgtt aatggaaaac agattcttca 360
gccgaaaact aaatgtgacc cttacgtact tgagcatgga gatgaagtca aaattggaga 420

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aactgtctta tcctttcaca ttcatcctgg cagtataacc tgtgatggct gtgaaccagg 480
gcaggttaga gcccaccttc gccttgataa gaaagatgaa tcttttgttg gtccaacact 540
aagtaaggag gaaaaagagt tggaaagaag aaaagaatta aagaaaatac gagtaaaata 600
tggtttacag aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga 660
tagagctgga aaacgtaggg agcaggttgg aagtgaagga acttttcaaa agagatgatg 720
ctnctgcatc tggtcattct gaaattctga tagcaacaaa ggtccggaag atgttggaga 780
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anttnacttc gggaacacat ca 862

<210> 1237

<211> 729

<212> DNA

<213> Homo sapiens

<400> 1237

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ttttgacttt cttgattgta tgccttgaat taaaaaaaaat gcctaatttt gatgaattcc 180
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ggggttcagc ttcatctttt tgcattgtga tatccagttg tctcagtatc aattgttgaa 420
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gagcaattgt agtttgaatg gaatgggtca gcacttgggt gcagcagggg tcttggctat 540
gtagtttcat aagctccac tcctggagag cctctgnitt cctctcaaag ccaggttttt 600
ctgnctcgct gcgttttggg gcctgaaagg cttgggtggc atggtacctg gactactggt 660
gtcggagcnc aaagtgagga gaaaagacca ctctactttg tgggaaggcc ttgggcantt 720
tgggcanca 729

<210> 1238

<211> 620

<212> DNA

<213> Homo sapiens

<400> 1238

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atcaagacca gcctgggcaa gtttgagaga ccctgtctgt gttagtccat tctcatgggtg   60
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gttccacatg gctgagaagg cctgaggaaa cttataatca tgggtggaagg cacctcttca   180
cagggtggca ggagagagaa tgagtggcaa gcaaaggggg aagcccttta taaaaccatc   240
acatctcatg aggactcact tactatcatg agaacagcag ggggaaactg cccctgtgat   300
tcagttatct ccacctggtc ccacccttga tacctgagga ttattacaat tcaaggtaag   360
atttgggtgg ggatacagaa ccaaaccata tcaactgttat ctacaaaaga ttttttaaaa   420
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agaacttttg agctcaggag gtcgaggctg cagttagcca tgattacacc actgcactct   540
agcctgggtg acagagcgag agaccctgtc ccaaaaaaac aaannacana aaaaaacccc   600
aagctaaaaa atttatatac                                     620

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<210> 1239

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1239

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tctgtttgtt acagcttaga tacactactc ttttctacca gtcattactt ccttggccat   60
gttccgttgg aactcagggc tcctgcttac ctcaattctt cacttctgct gaactctgtg   120
ttactgctgc ctagaaaagg gtgtatgtgg ttaggagtaa taggtgaggg tgaattcctg   180
ggggacatac tgagttagct gcgggatcct gatatttggc tgagagtcta agaaattgtt   240
tcctaggtaa ctttggtataa ttactctttg gtcatgctaa ttttaaattg cagatgaaca   300

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aatcaagagt aaattgggaa agttccatag gaagcctaag cactcatctt aaccttactt 360
 agtcttctct taactggact ttcttagccc aggaagaggt taggatagtt gttcttcaga 420
 gtttggtcta cctttaagtt ttcattgatt aatactctta agatactttg ttttaaaatt 480
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 acttcagctg ccacctagtg atttccactg gagtgccgac ttantggctc tttcttactc 720
 ttctcctcan gtgaacacat tctactcagg taggtgactt aaaagcttat ttaaataact 780
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<210> 1240

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1240

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 cctgcttcac aaatgccaaa ccattttagt ttctgtataa tggaggcatt tttttcctct 180
 ttaggtcaca tgtctttcac agagattttt gtcatagatg tcttgaaata ggaactgtaa 240
 aagacattat ttttgaacgt ttgaacattg ctttttattt tctcaaagga gtttgcacat 300
 gatcaacaga tatattcatc aaaccacct acgagatgag aaaccagac tcaaaagttg 360
 aggggaggag aagtgtctta ctttgagaag aaacaacaga aattaagctc aaatgtctta 420
 taaaatgaat cctgaataat ctttttacat tcaaacattt tgacagtttt tgggcatgag 480
 aggaggagtg aggagtttat ttggagccta aattatctcc aaattgtttg tttgctatta 540
 aagggtgtaa agagaagtaa gcaaaacaaa aataaaattc cactggctct ccactatgga 600
 tgagaagttg cacaaaggcc tanctgtttc gttggtggag agctacatgg ctgcccaggt 660
 tttgcaatag aacttanaga atggccttat atgggaatta aaggatggga agccaaatgn 720
 ggttttgagg acttaaaccg gacacttcca ggtggtgcaa acanggtgcc 770

<210> 1241

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1241

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taccagaat ggtcaaattc atacagacag aaactggaat agtagttacc agggactgtt  180
tggtggtgtt cggggtggga gtgggtgtta agtttctgtt tgggaagatg aaaatgttct  240
ggagacgtat agtggtgata gttgcacaga aatgtggatg tacttaaaga cactgcatta  300
tacttgtaaa atggttaaaa tagtaagttt gatgctgcgt atactttacc agggtaaaaa  360
caatgcaaga gaaagattgc cagtgcatgc tgaaaattaa gattactagg aggatatTTT  420
tcactcttga gactaatgac aacaattgaa tgttgggaag cacagtatgt gggagtgtgt  480
aagtgggtct tgctagtagg ggatgtcact ttagcaaaat ctgttggaag ttgcttatct  540
tttgtgtgta ttaacatgaa gattttctca gttgaataaa acaagttaaa gaatactttc  600
tttgttgtaa aacagcatat ttatatacat ttataaatgc nntaagttct anaaggatca  660
tgagtaaaaa tatgaattta aaaattaaag tcacagattt aggtgntgca cctacctacc  720
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<210> 1242

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1242

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ggcctTTTTT tttttttttt tttctggaga cggactctcg ctctgttgcc aggctgaagt   60
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cctcagcctc ttgagtaact gggattacag gcgtagcgcca ccacgcccgg ctaattgttt 180
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 tgtgatccgc ccacctcggc ctcccaaagt gctgggatta caggcgtgag ccaccgtgcc 300
 tggcctctcc accttttttg catctgtcaa tgcccctagc tctctagcag cagctgtgca 360
 aacaccagga gggcccaaag gggctcttggg aagacacttt tcagggcact gcggcagtgc 420
 tatgggtccg tggtcaggag acctgcagcc tgtcagtaac tgacagtgtg accttgagca 480
 agatcaactc tatggcttgc ctctctttat caaatggcac aactatttca gcttagaagg 540
 ttgtttgtgag gttacaatga aaaagcataa tgacttttta aaaaatgact caacttgata 600
 aaaatacaaa atactgcctt tattcaaaat gaggcagaga tgaataagga gggaattttg 660
 tcccagttaa atatttattc catttaaaact actcaaaaagt ccagttgccc caataattaa 720
 taattttcac tttcccaaac caccaagcaa ggngcactgg cattctcacc tgcgggacct 780
 atgtttccca ttccgatgcc tttanttang 810

<210> 1243

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1243

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 ccctaccccc tcccgecccc ccaaagtgtg ttgtacactg cttgtctgtt ttcatttcca 180
 cgtgtggggt cactgaccac attagctggg agctcctggg attgtatgct tcctatccag 240
 aatttgttcc atagaaaacc tgtgtcttca acatacttgc tttgaaatta ttttgatctg 300
 tatcagcagg aataggtttt gagatcctgg atattaactt ctgggtgcca ctctctctag 360
 aagctaattg actgatttgt ggtggaggcg agatgagagt ctatacattt gacctatttc 420
 acagagctta ccttgcaagc tattgaaatg caaatacaga ctagcttaga gattctaaga 480
 attcacacat tcagttcttt gttttttctt gaaaaataag cattcaaatt tcatgcacat 540
 tctattattc atgtgcctta tatttaggtt ccgcttgtat gtctagataa atcttatcac 600

cattattttaa aatttcatga atgaaacttt gcatctttaa tactaacact agcctagacc 660
aatcaaaaata atttgaaatg cagcccttaa atgaactnct ncgngtgtct g 711

<210> 1244

<211> 628

<212> DNA

<213> Homo sapiens

<400> 1244

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tgtgtgtgtg ttggagtttt gctcttggtg ccctggctgg agtgcaatgg cacgatctca 120
gctcgctgca acctctgcct cctgggttca agcgattctc ctgccttggc ctcccgaata 180
gctgggatta caggcatgcg ccaccacacc ccgctaattt tgtattttta atagaggtag 240
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taacaagcat gccagatgat tctgatgtac actcaaagtt tgggaactgc tgttaagaga 480
ggataatgaa agttangcag aggaaattag atttgatgtg ctcataagca gggatccata 540
naagattttt aatttttatt tttaatcat ttacttattt tccatgtntc caagtcacga 600
accanccatg ggcacagacc aagaccaa 628

<210> 1245

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1245

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gcactctgga ggaccacact cgttttcttt ttggctgcca gaggcccccg catccaccgc 120

tgagctggga gaaagatggc ggcagccgtg cgacaggatt tggcccagct catgaattcg 180
 agcggctctc ataaagatct ggctggcaag tatcgtcaga tcctggaaaa agccattcag 240
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 aatgtcagtc tcgtgatctc gcggcagttg ctgactgatt tttgcacaca tcttcctaac 360
 ttgcctgata gcacagccaa agaaatctat cacttcacct tggaaaagat ccagcctaga 420
 gtcatttcat ttgaggagca ggttgcttcc ataagacagc atcttgcac tatatatgag 480
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 caaaaacagt acaatgtaga ttataaactg gagacttact tgaagattgc taggctatat 600
 ctggaggatg atgatccagt ccaggcagan gcttacataa atcgagcatc gntgcttcag 660
 aatgaatcaa ccaatgaaca attacngat 689

<210> 1246

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1246

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 cggttactat gtggaaaaga agaaacggtt ctgcaggatg gtggtggccg cagggaaaag 120
 attttgtggt gaacacgctg gagccgcgga ggaagaagat gctcggaaaa gaatcctgtg 180
 tccttttagat ccaaaacaca cagtatatga agatcaacta gcaaagcatt tgaaaaaatg 240
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 agatgaaaca gaaatacctg aacaattagt tccaatttct tctctatctg aagagcagtt 360
 ggaaaagtta attaagaaat tgagaaaagc aagtgaaggc ttgaattcta cacttaaga 420
 tcatattatg tcccatccag cattacacga tgcacttaat gaccctaaaa atggcgattc 480
 tgcaaccaag cacctgaaac agcaggtatg tttaggctat agtaactact aaacatggcc 540
 tttgttcatt tgttaaaact gttttaaatg taattattaa taagatttta ttttgtttac 600
 ctttgagggt accaaatatt tccatttcaa aaatatatag aaacatatac aaaaaattga 660
 gggcatggat gtgattctga gtaccgtata ttaaataattt aaaggcaaga gagaaaaatt 720

ttaagtcaaa taccaattat caatgtaagc atactggctt atgcagaaat taccctgctg 780
gtttccattt gaacccaatg ngttactcta gtttataaaa taatcntgng aagtttgcag 840
ctttt 845

<210> 1247

<211> 821

<212> DNA

<213> Homo sapiens

<400> 1247

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gctccagttt acagctccca gtgtgagtga cgcagaagac agttgatttc tgcatttcca 120
actgacgtac caggttcatc tctactggggc ttgttggaca gtgggtgcag cccatggagt 180
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gggtgcccct ttgaaacaaa ctttcanagg aaggatcagg c 821

<210> 1248

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1248

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tatgtaagaa atttggTTTT tTTtaaccat ttataggtag gaaattatcc taaaaaataa 180
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cttcatgaac aaaataatct gtatcttcat catatctaag attcttctat gacttccaac 480
tggaatattc agaaaatgat cacattacaa atgatcactc tagcttccat gccactttcc 540
tgaaatgttc ttgccagtga gaaatcatca ctcttcctt ggaatttcta aatattttat 600
tgntcaaagg cgtaattctt tactaagttg taaactcatt gagataaaga actatagtct 660
gnatatctgt tgnctcaaaa agtgttttTc acatag 696

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<210> 1249

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1249

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tgtgcagtct gaaatgaatg gtgcattctc atttgtTTTT caagatagat taaaaatcca 180
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gattccaggt ttcaaactctg gtgacaatat gtgggttcatt tctcatctgc cctccccctcc 540
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 cttgctttcc ccactctctt tcttccacat tctctttctt cttcgtggnt tcagctgtca 660
 tctctttttg gatgactccc catttttacc tctgggtctg atctctttct caacctctgg 720
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<210> 1250

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1250

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 gcaacatagc aagaccccat ctctatttta aaagataaat ataaatatat aaagaacaca 180
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 gacttggaat tgccagcaca cagctttggt gtgcaatgat ttagctctta tgaaggcgcc 660
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 gtgttattga caagcacang ccctgcaagg ggactgtggg aagttaggca tgaatctggc 780
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 gccaccct 848

<210> 1251

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1251

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caaagaaaaa gaagatgatg tgccacagtt cacaagtgca ggagagaatt ttgataaatt  180
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gatggagacg ccagccaatg agatgacgcc aaccagattt gccgaaatta ttgagaagaa  660
tctcaaaagt gctagtagta aaaccgaggt ccatatcaga cccaagtctt ggattgagga  720
acangcnatg ggatcattn c ttaatgtgg                                     749

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<210> 1252

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1252

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gggtgaggat ggactccttg aacagtcttg cactgaggag agtggtgact gacatatttg  120
gactcttcta ccttgtctgt catggtctaa tgcatgtctt ttctgggtgt ggtttctttt  180
cttttttttt tttttcttt tttcgagact gagtctcacc caggctggag tgcagtggcg  240

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tgatcttggc tcaactgcaac ctccacctcc cgggttcaag cgattctcct gcctcagcct 300
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 gcctgttttg atgtcanaac ccacagccat gggcccctgg nccaactttc taaccaagtt 720
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<210> 1253

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1253

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 ggactatgca taggcaggat gtggttagga ttgtgggtga gtacctactt ggcatgcatc 180
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 tttcactggc aattctcaaa tgatatacat ttaaagggca gattttttaa aaagatacta 540
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<211> 685

<212> DNA

<213> Homo sapiens

<400> 1254

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tgccttttat ggatacataa tgcttcagtt gtttactgct aaatgaaatg taaaagtata    180
tattagacta aggaatagtg tacaaaatag atctaaatac aaaggaaatt gtgttctgtc    240
tgaaaatttg tagatgggtc taaattaaca agaataaatt aagaaggata tatacacact    300
catttatacc ctgtgcgta tctcacatat gtgaacacac acaccaaata cactgaaatg    360
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cattctttta gttgcatttc aataaggcat tgctgtgaat ccagaggaga ttgtcaatta    480
cagaattttt ttcattgatc agtatttgct tggcgctca gagaaaatgg ttgntcatct    540
ctgccccctc ctgntcatgt ttgggactat tggttggctg cgccagtaga gcttattctg    600
ataagctcac caaatctcag gagtancctc ctttcaataa cttcacactt gngcatgtgg    660
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<210> 1255

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1255

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ccctcaggct ggccggggccg cctgtggctg gagaaagccc cattgtggcc tgagtgcgcc    180
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ctgccccgtg ctctgtccca gcctcatttg ctccccaagc cccaacctgg gttcctgctc 300
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 tcaaagtttc tggctcttagc tgtcccgcgc agcagaatat aaagtgtga aaccagaacc 660
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<210> 1256

<211> 561

<212> DNA

<213> Homo sapiens

<400> 1256

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 ttaatatggt tatataatag aaacagtacc acacattgta actaaattat actatgtatg 180
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 ttagactctt gggttttcat ttctccccgt cccttcccca cttttttaaa gtaagccaca 480
 gcttttctga ttgaaagagt gaaaggccag tgcatataat gacaaactga tgataacctt 540
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<210> 1257

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1257

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ttactaaatt cccatttttc cactttaagt tgtgtggctg gtaatagcgt cgccttctg   180
atataagtca tagcatgcaa catgcacttt gcaagtgcac ttgcttgaa tttttgcaa   240
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atttcttttt aattnttate ttactttntt ttttttttaa gctaaaggca aaaagaatgc   660
acatacttat tttaatggga ttagaaaaat gagttgttcc ctggttaagct tgacccccag   720
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<210> 1258

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1258

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agacataaga gcaaaactgg agtcgctgac cattgagaag taagcatttt tagggaggca   60
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gactcagtag aagtgaagag aaataaagtg agataagttg ttcactggag agcaaatttt   180
gaaaatagaa caattccaag ggatgataag ttaccttgt ggccctccgc ttgaatagca   240
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 aatagaattt accttatttt ccaaccagat tatTTaaatg ttttgcagaa gtgagtattg 480
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 aactatataa atagaacgag ataaagaaat gggaaagtgc cttcttcct tagttctcta 600
 ttcagttggt gaagaactgt aataaatctt attgaaatct agagttttta attaagaaaa 660
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<210> 1259

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1259

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 agcgacagcg cagtccaaga ccttgcagga tgtctcgccg caagcaagcg aaaccgagat 180
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 aagaagtacc actgcagtga atgtgatgct gcgttttcca gaaatgatca cttgaagatc 720
 ccttaaagga cttacacgtt caacaagncc ttntaaatgg ggccanttgg tcc 773

<210> 1260

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1260

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aaattgctta ttaagcctca ggtttcttca cttacaaaat gaggataata attgcacctg   60
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tggtcacact aagatcttta aactttacaa tggtgaaaag gcaatatgca ttccatagaa  180
ctcatacaac cattttggtc ttaactttca gtaaaatatt caataaatat tcaataaact  240
aattcaaaaa attactttat tacaaaatag gctttgtgtt agaggatttt gcccaactgc  300
aagctaattg aagtgttctg agcacattca aggtaggcta ggctgagctg tgatgttcag  360
tggattaggt attaaatgca tttttaactt acaataattt caacttataa tgaatttatc  420
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atggtgggta gaaatittat tttagcttaa aaaattaatc ttataaaatg cctgctgaca  720
tttcatgtaa gaattcttta ctcaattcat gnttttctct tcttncctgt ggagtatatt  780
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<210> 1261

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1261

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gtcatggact ggaagttaag aacttcaca caataacaaa aattatgggc cagacacagt   60
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agagttcaag gctgcagtga gtggtgatgg agccatgcac tcagcctggg cgacagggta 180
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 tctcagacaa cgaccagatt ttttaccata ccaagtnaaa tagtaaggag aagggaact 720
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<210> 1262

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1262

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 gtgtgatgtg ggtttattgc cttggcctga ggcaggtggc ggctgcttct ctcggagtgt 240
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 acgtgaagat tccttcccag ggaaggaatc tggaattccc acgcatgagt agagggtctt 360
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 cctggccgcg ctcgggtgtc ctccttcggc ccagatttgg ggatgggaat tcctaattga 480
 gaaatcgctc atttgcatag tcagtaccct cagccctcct aagtgtagcc tcattatcga 540
 cacagacgcc tgcagagtcg nttctctata atgcaaattt tgcacgatat ttttgaacaa 600
 cgtttttgag ttatcatagt aaatgaaaag gcaattacta gttatttang aagaaggaaa 660

tggtttgaag tagagataac ttttttacct ctgggggggaa aaaaaggcna atgacttcag 720
attccatggg caggtcaaaa tcagaactgg taagatttct gcatatctgg ggagtatcnc 780
attaataatc attttcctga aaattacnct cttcttaatt aaactggant ttgcatataa 840
aaatgtgaag ata 853

<210> 1263

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1263

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cgggcctgtg cccacagacc taggtgaaga caggcactcc agccttcacg tccaaatggt 120
gcatttccca agaccacttt gacccgccac gccccattc tgtgcctata aaaacccccaa 180
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<210> 1264

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1264

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agtgtaacaa taatagttaa gcatatggaa taaaactaaa gatcagtgtg acaataatag	180
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gactcttaga gaacttggt caaatgcata ttcttagcc accccttct gaattcccgg	780
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<210> 1265

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1265

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tatagtgtat ttgacaaact ttccacttg tagactcagg taggcctgct tgacctctc	180
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 tttttttttt ttttttttgg anacagagt tttctttggn ttccatttac ctgaagtaat 780
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<210> 1266

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1266

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 aatcccaaag tgctgggatt acaggtgtga gccactgtgc ccagccaaat attagaactt 180
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 ggattatgcc cttgggtgaag gcaatcacag ggcttaaccc tgaaggcgcc catactgact 780
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861

<210> 1267

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1267

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cagtgagccg agattgcact actgcactcc agcctgagtg acagagcgag actctaaaaa 660
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<210> 1268

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1268

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 ccgagattgc tctgctgntg aaaatggtac acagcccgtt naagatgtct gcaaggaact 720
 gaacaaccaa gancagaatg g 741

<210> 1269

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1269

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 tatcaggtta aaataatggg ttataagata gtattcgcaa gcctcatggt aacctcaagc 180
 caaaaacaaa caaacaacaa acaacaaaaa aacacatagt ggatacacia aaaataaaaa 240
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gaaacaaaa aagagcggga gtagttatat ttacattaca tacaatagat ttcaagacaa 600
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<210> 1270

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1270

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<210> 1271

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1271

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<210> 1272

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1272

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<210> 1273

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1273

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ncagggc

787

<210> 1274

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1274

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<210> 1275

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1275

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<210> 1276

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1276

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gaataaatta gttgtccatc ctagcataga gcccagaaca aggcactgaa aagacttctt 480

aaatTTTTTT gtccaacaac atcttggaca gttctcattt atgtcaacat gcctggctcct 540
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 gtaagaaagc cctggcaaaa aagctgagag gtctggtgca atggatcacg cctgtgatcc 660
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<210> 1277

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1277

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 ttaaatattt cagacaaaat gaaatataac ctagaatatg aacagtgcta gatatgcata 300
 cttgaaacaa aaatcatcat ggtcatttat atatttctat ttactaaga ttttttctc 360
 ttataaaaat aaattatacc ttctaatagt aaggaaattg cctctgccag tttttgntgn 420
 ttaatttggg ttaatttcaa acattaaaat agcacattaa ttgatcaagg aatctcaatt 480
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 gacaggagac aaccatcttc tagaggaaga acttttaaaa caattatatt aattccattt 600
 ataggaaaaa gaataattca tagaaaaatt aatgggtgcag tcctaaaagc atgttccagn 660
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<210> 1278

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1278

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<210> 1279

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1279

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 tcacacctaa caatccatgg tgagtctttc tggngggctc tgcttatgga cagagcaggc 720
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<210> 1280

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1280

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 tgtgcctatt ttatctagtt ttagttaatt ccattgcttc ggaagataag tggacgtcat 180
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<210> 1281

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1281

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<210> 1282

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1282

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<210> 1283

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1283

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<210> 1284

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1284

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<210> 1285

<211> 883

<212> DNA

<213> Homo sapiens

<400> 1285

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caggaacact ccatcagtgt ggatctggat agctccctgt ctagtacatt aagtaacacc  180

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<210> 1286

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1286

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 cttttgtctg tcttgggagt agaataaaag cagattctga gcatggaccc tgactttcag 720
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<210> 1287

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1287

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 cagaaacaga atggccttca gaccacagag gctaaaagag atgctaagag aatgcctgca 540
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 acaaagaact gtgtcaacta gcagagagtc caagcagaag ggcagatgga cttcttcagt 660
 gtccttcacg gactggatcc catcaaagaa ccttgaagaa gtggcttgcc cttgctggac 720
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<210> 1288

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1288

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aacgtggaag ttggtccgta cttctacaat cctactggcc cagcctgacc cccatgtgac	180
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tcctcagatg agcccatgtc taaagctccc atggccaaag acagttacca gcttctcacc	420
tagccgg tca cctctgtcta acttggtatg atcactgaca actttggcca attaatgaag	480
agg tggcctc aaattgttca ggaactcgaa aagcacatgt ctgaaggggc taattgtagt	540
gataggaaac tataaaagta aggatgttgg attagaagtt agctgatcat caggagatca	600
agaccagctt ggccaacatg gtaaaactcc atctctacta aacatacaaa aattagctgg	660
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tgaacctaaa ang	733

<210> 1289

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1289

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tccttctctgt ggtgcctctt tatagcctca ccacctgct aacactgagc atggtgagga	180
ggaggaagct ttggctagct aaacatgttt aataaggcca taaaaactga gaaagaaaaa	240
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 aacattcttg ccagagttct tgggaaacct ggttttttct ctactctnca tctctgctgc 720
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<210> 1290

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1290

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 aaccgtacag ctacagcaca gcgttatagc gctcctggca gacaaccagt cctgctgcag 180
 cgagggtgggg acaaggccgg gagcagctca ctcccagta gaggccatcc gatggcgcca 240
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 aagcccagga aaggagcag cccccggtca ggaccaact gaggacaccc catcctcatg 720
 gaccttggtt ccgnttttcg nccccacaa atgggcttcc aacataactt tccccgangg 780
 cttctttctt ttccaaaca 799

<210> 1291

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1291

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aatgtagaag aggtactaat gtgtgtcatg aaaatctatt ctagattcgc agataactct  180
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gcatcagtga ttttattatt tctaataatt aaataataag taaaagtgac taccactcaa  360
tgtggaaaac ttggaaaata caaccacaat ttggagaata aaatcaccaa aaagtctcac  420
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tcagttataa aaggctataa ttatattatt ggtcacaaat ttttgnctgc atttttgatg  720
actatcttaa gaatagattc cagcagtaga ctatttttta aggatcctta aaaaggngta  780
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<210> 1292

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1292

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ggaggcagcc ggacattttt aaatttcaag ggaaacacag tgacatttgc cagctaccat  180

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gcaaactgcc gttattaaat tgttttagacc cattagggcac ttgctttggc ctaggtccag 240
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ccagca 846

<210> 1293

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1293

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tggaagaat tgcaaatgtc gtatcttttag taaggatggg accttgtttg cctggggcaa 180
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atcacctgga cccaacat acaagggtggc tgtctatgtt ccaggaagta aagggtgcacc 600

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 gttggttaata gctagcacag atgttgacaa gacaggactt tctactatgg agaacaact 780
 ntacactaca ttgcaacaaa tgggagaaa tgctgtantg caattaccaa aaaatggccc 840
 atttatgatg t 851

<210> 1294

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1294

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 taaatgtttg catgaagcca tctttagaac gtcagatggc ctctcttcaa ctggaatgac 780
 aagagctgaa agaaatgtgt gaccacgan gacaccgaaa ccgatgaatg acatgctgag 840
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<210> 1295

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1295

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<210> 1296

<211> 634

<212> DNA

<213> Homo sapiens

<400> 1296

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acacacacac acacacacac acacacacac atacgcacac tccatgtagg cttagtaagc 240
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<210> 1297

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1297

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<210> 1298

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1298

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acatatatcc aaggagtatt ccagagagca gacctattta tgaataattt taaaagtaag  180
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gagaataatt taaaatcatt ctgttaaaaa tcacagtagt tttattaaa attactatct  660
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gagtta                                           786

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<210> 1299

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1299

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<210> 1300

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1300

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 ca 782

<210> 1301

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1301

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<210> 1302

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1302

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aaaaaaggcc atttactcca tctatttgat ggtatacttg gtccttacag gaatctcatt  720
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<210> 1303

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1303

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agcctcccca gtagctggga ttaaaggcat gtgccaccac gcccggttaa ttttgtattt  180
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gatctgccccg cctcagcctc ccaaagtgt gggattacag gcgtgagcca ccgcgccccg 300
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<210> 1304

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1304

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 ggtcaggagt tcgaggccag cctggcgaaa ccgtgtcttt actaaagtaa tcccactac 180
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 aaaaaaaggg aaggattgat tgatttactg agagaagtat aaggaaaca aatgccccaa 360
 gacccttgtc cggaaggaag ggaggaggagg aaaggaaagg aaaggaagga aaggaggagg 420
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 gaacccgccc ccaatatitc aacggagggt ctattttcca taagtgttgg ccggctgaga 540
 aataaagagt acaaagagag aaattttaca gcttggccac caggggtgac atcacgtatc 600
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 aaggggaagg cctgtatgaa cagggagtag gtacaaagat cacatgcttc aaanggcaa 720
 aagcngaaca aagatcacat gcttctgagg aaacaggcaa gggccaagcn 770

<210> 1305

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1305

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ccccaccccc accctcagat cactttaaga taatttcttt attcgtttgc ccgacagacc   180
atggctccct ttggaagaaa cttgctaaag actcggcata aaaacagatc tccaactaaa   240
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tgtgggctga ctaaacgcac cacctctgct gatgtcatcc aggctttgct tgaggaacat   360
gaggctacgt ttggagagaa acgatttctt ctggggaagc ccagtgatta ctgcatcata   420
gagaagtggg gaggctccga aagggttctt cctccactaa ctagaatcct gaagctttgg   480
aaagcgtggg gagatgagca gccaatatg caatttggtt tggttaaagc agatgctttt   540
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tgggagctca gcccagcaaa ctacatgaag actttaccac cagataaaca aaaaagaata   660
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gataatatgg agacattagt tcatctgac atttcccang accatactat tcatcagcaa   780
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<210> 1306

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1306

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cacctgcaac gggattttga gtttgatgct cggggtggag gaagcactgg tggggggctt 720
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ctgaca 786

<210> 1307

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1307

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cctactaaca aagtatgaaa ggactgtcct ttctgcacat ctacgccaac tgggtgatcta 180
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tttttttttt ttttttttga gacagagtct cgctctcttg ctctgtcacc ctgactggag 480
tgcagtggcg caatctgggc aagctgtgcc ccctgggttc atgccattct tctgcctcag 540

cctcctgagt agctgggact acaggcgctt gccaccacgc ccagctaatt tttttgnaat 600
 ttttttagtac agatgggggtt tcaactgngtt agccaggatg gctcnactcc tgacctcatg 660
 atccgccccgc ttggccttcc aagta 685

<210> 1308

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1308

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 ccgagcctta gattgttctg tgaagtcacc aaagccgcca ttctggcctc ccttggataa 180
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 agcttctcag cccaggacac ctggtggcca tgggcaangt gagcaggacc cctgtggaag 660
 ctggtgtgag ccantcagat canagaacgc agcccccttc ccgcccgat gaacatgaca 720
 cttttgcccc cgg 733

<210> 1309

<211> 824

<212> DNA

<213> Homo sapiens

<400> 1309

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ttggactctc agataaattg cttttgtatt ctttgactac aaagtattct caaaaagaag 180
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ttcaagtgtg tcaccaggca ctcataaaat tcatttattt gttatataac tcaatgacct 420
gaaataatag gtgctcattg ctttttcatt tgatccttaa aaacaatttt attctgtcta 480
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tgaacatgta tgaaatattt agttggattc agatgaaatg caacttagag aaaggaatgg 600
ataccagtag agaagatgga aagagacaca aaaatcagac tttgcttaca tcaaaattag 660
gtctgntgtc taatcctggg aacctagagg caagctgaaa atagatggta aggataaata 720
gattttttaa cacagtattt atatttaaca gaatgtcata aaaatgacag aatgccatga 780
aantcacatg tcaaaacttt gattaaacca accaggaaat ttaa 824

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<210> 1310

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1310

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ctgtaactgc taaactttcg cagcatatat aacaggctca gcaaattgtg tccttgggtt 180
caaatttctg tacttcataa cttttcttc cagcccctag cccagttgtt ttatactgtg 240
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ctggagtacg gnggcacaat ctgggtcac tgcagcctcc acctcccagg ttcaagcgat 360
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attttttgta tttctagtag aaatgggggt ttcaccatgt tagccgggct ggtcttgaac 480
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 tcaaagcact tgtattgggtg atcttttttc agtattgggt tttgcttgag agtacattgc 660
 ttcagagctc ttacaaaatt actgntctaa tccacatgac taggcaataa ngggtccac 720
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<210> 1311

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1311

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 attttcacat tctgggtgta tctttaatat catgacttgg agagggacgt tagtagatga 180
 gaaacataat ctatcagaaa ctcttatagt tctctcacta caaatatggc atcagcaaaa 240
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 atataagttc aaaagtgtaa aaagtaaaat agaggttcct cttcaaagac tttcctccca 480
 atctcattag gaataaatag taacctctct tagaagcaaa attttttcaa agacctgtgt 540
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 tcccacaatt taacctaaat atttgccctg gcatgcttat actgggtccaa gcaagcatta 660
 ggtcatagcc tgtcctcttc cttatttcaa ggtgttttta cctttctnca gattccaaaa 720
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<210> 1312

<211> 650

<212> DNA

<213> Homo sapiens

<400> 1312

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ctttcttttt accctctcct gcccctgacc cggtagctat accacttgga ttattttacag 180
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tccattcgc gcagatgcac acggattccg ggcccagcgc taactcggat gtgttttcca 600
gctccgttta ttgncttcca taatgcttag cgtactgntt gnatatgttg 650

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<210> 1313

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1313

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tgagtatttt tctttcgggt tttttttttt tttttttttt gctagttgca aaatgaacat 180
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 gngatccgcc cginttggcc tcccacagtg ctgggattac aggcgcaagc cccacagcca 660
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<210> 1314

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1314

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<210> 1315

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1315

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<210> 1316

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1316

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acaggactca ccgaggtgag aataccggag ggccttatct ttaattgggt ttagttttgc 180

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cagtctgaat aggtttaaag agactcgata aagggggaac aatagattat ttattgactg 240
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 ggtgcaattt gaatgactta aaatgtctta tttcctctcc cgacaacccc ctacccttct 420
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 tgaaatcttt tggttgtagt agtttaaaaa aaggagaaaa catgtcttat tgactccaag 780
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<210> 1317

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1317

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<210> 1318

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1318

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 ttgtcggtag catgatagct ttatccatca tttatagttt atgacttgtg gttatittta 180
 aacattgaaa gaattttgaa aaaagtcata aatgtctgta acactagcac ttttaaggca 240
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 tgactctttg ggaaagttaa cacagcctta ttangttaca acccttgaag gtggtttttg 780
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<210> 1319

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1319

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gaacttattc aggactttga aatgcctact gtgtgtacca ctattaaggt gtcaaaagat  300
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caatcagggt tttactacaa aaccagaata ccaaagtttg ggagagattt ctcttaccac  540
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gaacaaggac gatacctgaa tcctctacaa actgatgctg cggagaataa tgtttgtgac  660
ataaattcag tgcattggctt gtttgccaca ggaaccatag anggtagagt ggaatgctgg  720
gacccaagaa ctcaaaacag agttggcctg ttagactgng ccttaaacag tgtcacagca  780
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<210> 1320

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1320

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ataaagcatt tttatcaggt acctctgttc caagggattt atgtcttaga ccatagctga  180
attgaatgtt tgcaaaacac tgctatagga taagggtggtc tttagttttg aacgtgtgaa  240

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<210> 1321

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1321

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 ccagcatctt ctcttgctct tgcgtgacct ggggcagatt acttaaattt ttttctaccc 180
 cacatgcctc atttgtaaag tggagttgta gtggtaatac ttcatatgat tgttggggag 240
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 gaagagacgt cttcagctcc tcaggaacaa tatggagaat gtggggagaa atcagaagcc 720

accaggaac aatcactgaa agtgaagaac agctggtggc ttctgaggag cagcccagcc 780
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<210> 1322

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1322

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tttaagtatt cataacacac atttaacacc ttgggtgtcct gggccccaga gttcctttga 180
aggcccatat caatatcttc aatgtaaaac tcagtctttt cagaagaaaa tacagtatat 240
gaatgtttta cgataacatt aattacctga ttttcaatac agttatgact gaggaatgat 300
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ggttcattaa aagcacaaat aaaacaattt aatctctttg aaataaagta ataaaagtac 480
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cataaatttc catacttttt cccttaactg gttattttct taaaagtcag aatttaatat 600
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gccacagtta tttctctagg cctgcatagc gacattttca tactacttta aaactaagtg 720
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<210> 1323

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1323

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agaaagcatt tccattgac tctcttgtat ttgcactttt attgaatcta cttacaatca	180
ctaccacccc aatttagcac ttaattgagc ttaaatttta tcatgtggat taattctctt	240
ctcagtttga tttcaaacac attcattttt agtcacaaaa tgggtgtgagt tatgagggat	300
gaaggtaggc aagaatctga cttgaaggag cccacagtt tacttggaga gtgaccta	360
tattgaattt tcaataagaa tgtctatggg gggactatt tatgaatgct tttatgtgct	420
tgggcacit tattatctga caccctagta atcttgtggt gatcattgcc actttaccaa	480
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aaagcatgtt aggtaagaca gtcattggaa atcattgatt tttgcaggtc ttgaagaatt	660
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taagtagatn gaaactggat ttgggtaatt taggcttgca tttccctaag gttggaaatg	780
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<210> 1324

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1324

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ccctccaccc tccccggca gggcggagag gagcggccgg agtcagcgat ggtgcccggc	180
gaggagaacc aactggtccc gaaagaggca cactggatc ataccagtga caagtcactt	240
ctcgacgcta attttgagcc aggaagaag aactttctgc atttgacaga taaagatggt	300
gaacaacctc aaatactgct ggaggattcc agtgctgggg aagacagtgt tcatgacagg	360

tttataggtc cgcttccaag agaaggttct gtgggttcta ccagtgatta tgtcagccaa 420
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 acaagaacta tgcagaatca tgittgatgc tttggaacan aaatggaagc aaacagaaca 780
 aggctgatct tataaatgag ctttntcaag gcaagctgaa ggactactga gatgtttgga 840
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<210> 1325

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1325

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 attcacagaa agtactcaac agattaataaa tctaaaaatg aagagtagaa cttcaaaaaga 180
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gcittacaaa attagaaatt tgnccaggat ngnggggtgca cctgggctag tactcggggc 840
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<210> 1326

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1326

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catggtttagc atatattagt atttctagac tcagatttta gtttaaattt atgtctgtgc 180
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<210> 1327

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1327

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catccttcca aagagtacag tatagaaagg gggaaaaaga ggaactttac agtggaaaaa	180
cttgacaaac actactttag ctaggtcaag gttaatatca acagtgataa atcatgttga	240
tagtatgtac ccttgatatg atgttatgag aatggtacct ttacctttgt ggtcttcctc	300
ccaacaactc ataaaccccg tctaatacatg agaagttaga caaatcccag ttgaggagca	360
ttccacaaaa taccttacca atattttcct caaaaccatc aaggccataa ataacaagtc	420
tgagaaacaa taggaaagcc agagaaacta ttacagccac aaggagcatt aggagacatg	480
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aattttaatt aatgtataat attaataaac caatatgggt acacttttat taactaaaat	600
ccatatttat tccgattagt ttttacctaa tgctgctcat tgnnttttaa tccctattag	660
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aacagtaacg ggggtactttg ggaagtatct cttggagtga ctactgggaa agaaagtcct	780
tanaagttta taggnctgac ttaaactttc cccaatttta aggtggaaga aaaaattggc	840
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<210> 1328

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1328

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tagtagtagc caagattttc ttactcttt tcttggaata ttggatagaa ctgttaaggt	180
acagccttct gggttcttac tgccttgaa tcttttcatt tcttccttc tccctttcct	240
gttgacact aatgaagatg gacatgaaat ggacgtgaaa cattaggcaa ggcaaggcct	300

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tctcctgaca gaagcatcct ggggcaagag agaggtgagt ggaaaacgtc catccatata 660
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<210> 1329

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1329

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865

<210> 1330

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1330

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<210> 1331

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1331

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<210> 1332

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1332

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<210> 1333

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1333

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<210> 1334

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1334

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tgaaataatt aaagaaaagc aataaatggg cagaaaaatc ctaacatgc tctaccagat 660
atccattgcc acaaaataga cctgcaaaa cttantggct taaaaccatg ataattgact 720
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<210> 1335

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1335

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agatagtttc ttaacttatg aacctaatat atcacggttt tattttaatg atataagtaa 180

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tagaatatca atgaaaaaat ctgtataaaa gaaataccca gtagcccata attttaccac 240
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<210> 1336

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1336

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 ccgggaactc ctgggctcca gcgacctcc tacgtcagcc tcccaaagtg tcgggattac 480
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 ctgccccaaag cagcagtgtc ccgcacgtgt tgctggttct tcatctgaac tgcgcttctg 660
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<210> 1337

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1337

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ggagaagggt ccagttgtcc ttgtccgttc tccattttct catagctgaa agtttttaat  180
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aaaaaattag ccagggtgtg tggcgggcac ctgtagtccc agctacttgg gaggctgagg  540
caggagaatg gcgtgaaccc aggaggcaaa gcttgcaagt agccgagatc gcgccactgc  600
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<210> 1338

<211> 672

<212> DNA

<213> Homo sapiens

<400> 1338

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attcctttga aattagttgg gcccatggtt tattaatttc acgaaaaatt ttcttcccca  180
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tatttttact ttttaattttt cttttatctt tcattttttt cttatgtaaa ttttggccaa 300
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 tgcagtgagc tgagatagt cctctgcact ccagcctggt gacagantga gactctgctc 660
 aaaaaaaaaan an 672

<210> 1339

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1339

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 catatatata cactcagtcc catgccttga gtctagaggc tggggagagg gccagctgc 360
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 ggctgggatg gggcagggtc cacaaggagg gaaagctcac ccantgtaa aaaggaanga 660
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<210> 1340

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1340

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ctccatgatg ttgtcttgct tttctgttag agggctgtca tgtggtgtgc taaactttta  180
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atactagaca cttgttgatt ttttaaaagg aaatgaattt agaaagcaat tttcctcgaa  480
accagttttt ttcttctttg gtaaaggata agtcattctt acaactctca atgatgcaag  540
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aaagataaag tgtaaaagaa agaaaattgc cttgaaacaa acaaagtgca cacgggctaa  780
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<210> 1341

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1341

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agtccatata cagccacca gctatgaatg tatttagaaa gatatttggt ggagggtgaa  180

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tttctaccag aggtcaagag gatttgtagg gatagcctca agaatgccag atgagtgtgt 240
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 caactctaaa agtcaattaa cacacttact aagggtgtttt aagtgaccag gaaggaaatc 420
 agaactaacc tggattgtta gcgaagaaaa cagaagccac caacaagcct atctgtcctt 480
 tgcaattttg ctccaagagc ctattagcaa tttgaattct gagcctctaa gaaaacttat 540
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 aggagcatga gcagaactgc atatgccagc accacatggg cagcagagac ttcccactgg 720
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<210> 1342

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1342

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 tgtaatgcca tgtatgagag ttcctgttgt tttgtatact ctccaaactt agaactgtca 180
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 gagttctttg cagcttctgg ctatgcatcc ttcattaatt ttgtgtgttg caaatatatt 420
 cttccatttt gtgacttgnc ttttagtct caaacagaa tcttttgatg agaagaattt 480
 ctttaatttg atgtaacctc atttatcact cttttccttc atggttggca cttgttgtgt 540
 cttgtttgac aatgttgcct atcccaaagt catgaagatt ttctcttatg ttaacttcta 600
 aaagttgnat catttgnctt ttatatttat atctacataa tgcacctgga attgagttat 660

atgaatgctg tgaatttggg aaggcgggtt ccttttttcc acatggatat ncaatcnact 720
cagccncatt tactggggga agacatcttt tttctaaagg c 761

<210> 1343

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1343

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taagtgaact gcctgccttg acctcctgaa gtgtttttct atggtcagag atgtaaatac 540
ttgncattgn gctatagttg cctacagtat tcagtacagt acatgctgna catgtttata 600
gcctaggagc cgta 614

<210> 1344

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1344

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tttttttttt tttggttaaa ctcagcctct atatgtgttt atatgctttc atattttctt 180
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 ccaattggct tgaattcctg gggaaatttt tgggccaat attggaccag ctggaaatat 780
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<210> 1345

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1345

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 tattcatatt tgaaacaggc tggggtgcag tggcatgac tcagctcact gcaacctcca 360
 cctctcgggt acaagtgatt ctctgcctt ggccctccaa agtgctggga ttataggcgt 420
 gagcctccgc acctggacnt ancttgacnc tatgat 456

<210> 1346

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1346

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tttgattgac ctcttctcac atctatcact aatttttttt aaaagttaat ttacattgag 180
ctttccctcc agaataatta tttttctgta tctattgtct atatctttct taggccttct 240
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aatgtcactg tgaatctgca caatgcagag aaaaggcctt ggattaaata ctatttttac 360
cactgaacta ttgcatgacc acgagcaaat tatttaactt ttctgagaat caactcctca 420
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<210> 1347

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1347

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accatgcatg gtaggtactg cttagattaa gttgtatgtg tttcttttcg gtgctgtaat 240
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 atgccaaga ctgagtaatt tataaagaag agaggttaan ttggctacag tctgcaggac 780
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<210> 1348

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1348

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<210> 1349

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1349

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 gatctgccac tacctgccat aaatttcctc tctgtgtagc tagccagatt ggcttctgca 720
 gtttccacta aacttaattg gttgaagaaa caaaaccag aagagaagga gatggagncc 780
 taaangggaa caaattcact ttacatagtc aaccctggng 820

<210> 1350

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1350

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<210> 1351

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1351

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ccctgaaaca ttctcaaagg gttttccctt ctgttacatc attagctatc ccagcagcct 360
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<210> 1352

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1352

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 gatcaaggtg cccacttgta aaactgggac attcacagna tctaccttg aggctgtaat 840

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876

<210> 1353

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1353

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ttaagtgttt ggggcaaaag acccangtcc ctttt 755
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<210> 1354

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1354

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 cacttcggcg gtgccaacca tgccataacc ctggggggag ctggaggcct gcattgccat 660
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<210> 1355

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1355

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<210> 1356

<211> 870

<212> DNA

<213> Homo sapiens

<400> 1356

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<210> 1357

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1357

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<210> 1358

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1358

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acgtgcccac tcctgggcta agcagcgggt gtccagtga aaaaaggaca tgatccaagg 180
actcaaggaa ctcatagcct agcggggaca aaagatcaac catccagtaa acatacaagc 240
tcatttccca ctacagcttc tggtcactag tatgaaagga gagaacgggg tacattaaaa 300

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<210> 1359

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1359

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 ataccccgctg cacattttca acatgtagtt gaanaagcct aaattaggtg ctagaaaaaa 720
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<210> 1360

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1360

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acaagattcc cactttcaag aacttacagt ccaatggagg agaaagaagt atgaaaggat  420
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<210> 1361

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1361

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 ggtgctgttg agtgttttga agaagaagac agtaatagca gggaatcatt atccttggct 480
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<210> 1362

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1362

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 gagacaatga caaaagaatc aattcatctg gaagctctta atttgtcttg atgtacctaa 180
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cctctccctc tctttccacg gtctccctct gatgccgagc ccgaagctgg actgcaatga 660
cgtgatctcg gctagctaca ccttcaactt ccagccggct gccttgggct tccaaagtgc 720
caagaatgca gctntggccn gntgcaaccc gt 752

<210> 1363

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1363

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<210> 1364

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1364

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<210> 1365

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1365

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<210> 1366

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1366

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<210> 1367

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1367

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<210> 1368

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1368

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cagcctccca	agtagctggg	actacagaag	tatgccacca	tgcttggtct	ggtTTTTTTT	180
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ttcaaaagc	tctttgctgg	agggtctgca	gagccccacc	ttgggggtatc	attgcctgca	420
cttaggagac	tgtaatgtaa	atggtgcctt	ctttatttgc	cttccagggg	cacttccttg	480

atggacacat aatcagggtca actttgacct cttgtccctg gttgagtggg gaaatcccag 540
 agagaggatc acgtggttgt aggaagacaa acttccagat aactctttta tagctttaag 600
 ctttaattcac ttaccatctt ttttgtgggg gtggatggca natcttggtc attaaatgag 660
 tatttattga ctttatatta attaagcacc tactatatgc taggcactgg tttgaactca 720
 gatagccccc atgtgtctgg gccttggggg gaaaaagatn tnatccatga atgcntaatt 780
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<210> 1369

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1369

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 gatgaaaagc tctacctaca tatcaataa taaaatagtt ataccctaga agaagagaaa 120
 ctcactgtct cctgctaaag aaataccttc tgtctatgca acttttcttt cccctttct 180
 atacctctct tataagggca aagcatttat agcctctgag ttctaagaaa ccatgggagc 240
 acggtgatct gctggtgaga taaccgagat aacaggggcc atggtccagg tgccaacacc 300
 gaggaccctt gttcctttat gtgagcccct gcatctggcc cactgctggg tttcaaacad 360
 agtattattg aacaacctca aattgctata tttaaataca ctctttatca actagtcctg 420
 aaaattaagg cctacagaca tcaacaaaac gagcgacaga agaaaggcat ttccaagtga 480
 tgtaactggg tgactcatct cacgaaaggg cactcggagg cctaccagta gaccaccttt 540
 ctggcttttg gcatgccctg acatcagcct tgctccctcc attaatacata ctacgctcac 600
 atagaagcca aaacatgtca cgcttctgtt tgaaagctgn ctttttgntc ttagcaacat 660
 gtcattgttg ggggaaagtt ataataact ggccagtggg gtcagtaagt cggaaggct 720
 aaggagcttt gatgtcangg ctttaccatt taatggtttt caaagtattg ggaattctga 780
 gaatattggg ggcangtgta aataanattt gcatgcggtc ttttttgggg atta 834

<210> 1370

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1370

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aacagggaaat gaaagctgag tgtagtggct catgcctgta atcccagcac tttgggaggc   60
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tcctgtctct attgaaaata caaaaattag ccaagcgtgg tggcacacgc ctgtaatcct  180
aactatttgg gtggctgagg cttgagaatt gcttgaaccc aggaggcgga ggttgcagtg  240
ggccaagatt gtgccactgc actccagcct gggtgacaga gcaagaccta gtctcaaaaa  300
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ggatattggc tctaaagtgt ttatttaaataaatcagatt tagaattact gatggaaatt  420
ggccattctt ctatgccatg actctaggat gagtgtcgaa gaaatagcag tcaactttaa  480
ttcagtagac agggcaagaa gaatcaaagg gactcttaaa ttaaacccta agtagtagaa  540
catggaatca ggcttttaga ggtcaagtaa gaggtgggag aggaggaatt cagtcttacc  600
aatatttgag tgcctactct ttaacacact ttctaaaccc tggcttcaat agtaacaaaa  660
acaatagctt tcctgncitt ctagaactta cattctagta ngggaaacag caataaagaa  720
aataaaactt gcagcatttc anaa                                     744

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<210> 1371

<211> 587

<212> DNA

<213> Homo sapiens

<400> 1371

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tgtaagttaa tagaaataaa ctgattgttc tctcaaaaac tggttttgac acaggtttgt   60
atataactgg ttattcagta atgataattt tcaaagttgt cttagtctat ttgcactact  120
acagcaaaat accatagagt aggtagctta taaagaacag atgtttattt ctttcttttt  180
tttttttttt ttttgagaca aagtctcact ctgttcacaa ggctggagtg caatgggtgtg  240

```

atcttggctc actgtaaccc ctgcctccca ggttcaagt attcttctgc ctcagcctcc 300
 tgagtagctt ggattacaag tactcaccac cacacccggc taatttttgt atttatagta 360
 gagttcgggt ttctccatct tggccaggct ggttttgaac tcctgacctc aagtgatcca 420
 ccttcctcgg cctcccaaag tgctaggatt ataggcatga gccaccgtac ccggccagat 480
 gtttatttct aacagttctg gtggctggaa agtttaagat caagatgctg gcagattcat 540
 atctggngag gatctgtttc atggntcata natgggcctt ttcattg 587

<210> 1372

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1372

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 aaaaattgcc atagtgaatt cacttccaac tcagagtgtg atcttaaact cacgggggatt 180
 ctcacttctt tatgaaagtt tggggttgga tgacccttaa ggctccttct tagcactttt 240
 attctttgct tccaaagtag aatcttcaac tcagagagtg ctgctgatga gtcgatagta 300
 ctcatTTtgg gctgggtggg ggaggagagt gaaatgtcta ggggaagtgg gatgtgtcaa 360
 agccaggaag agagcctcct gctgtattca gcattaacta catactacgt gaaaaatcta 420
 atacggTTTT ggtcccccta attttaaaaa agaatgtgaa aaaatcagta actgctacct 480
 ggagtgtgaa gggaagtctg gtggacaggg tgagggaatt atttatcatc ctgctctttg 540
 aagtaagcac catattaatg tcatgtatta cctattaaaa atatataaaa tgagaaatac 600
 atgaagatat tagtgaagaa agaggggaaa aagaagatag cctaaaataa aaagcaaaat 660
 gattcagcct ggaataataa tgctaaataa ggggtgatct gataatttag aaccgtatta 720
 gagtttatta ataggaaaca cagtatcatg agttccttaa tctctggcct tttggaanga 780
 aaagaaaatt ggccaaaaat aatctgggtt aagggcattg ngatgatgaa acttcaggac 840
 atgctacagt tttaaagggg gntcttaaga aaaaaaatcc t 881

<210> 1373

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1373

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attttgttga ccccaacaca gaagatgtag cagttcctga acagggaaat gcacatatgt 60
gatcatttgt atcattcttt aagggaagaa aaaaatgttc tgaaaaatct cggaataatg 120
aagaattagg agatgaaaaa agacttgaga aagaacagtt actggcagag gaagaggatg 180
atgatttgaa ggaagtaact gatttgagga aaatagctgc tcagttattg cagcaagaac 240
agaagaacag gattcttaat cattcaactt ctgtgatgag aaacaagcca aaacaaactg 300
tggaatgtga aaagagtgtc tcagcagatg aagttaattc accattatca cccctcacct 360
ggcagccctt agaaaatcag aaggatcaaa tagatgaaca accgtggcca gaatctcacc 420
ctataatctg gcagagtga gaaaggaggc ggagcaaaca gattagaaaa gaatatttca 480
agtataaatc aatgaggaag agttcaagt gcaatgaaaa tgatgagcaa gacagtgata 540
atgctaatat gtcaacacaa tctccagtat catctgagga atatgacaga actgatgggt 600
tttcacacag tccctttggc ttgaagccta gatcagcttt tagcccgctc atctcgccaa 660
gaatatgggg cagcagatcc aggatttcca tgagaagaaa gatggacatt tacggaagag 720
cgagagcnaa tccacacttc gcaacatctt gaatcnaggt aaaagtattt tgnctgatgc 780
attggagctg cctgatgga 799

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<210> 1374

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1374

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aagggtggact agacaaagtt gtatctagac cttatcata tatgtgattt gcaaataatt 60
tgatttgttg gggtgtcttt ttactttttt aatagcgacc ttgcagcac aaattctcat 120

```

ttt gatgaag tcaa atgtat ctaactttca tttggctgct tatgctttca gtgtcatcta 180
 ggaacatag ccta atcgaa ggtcattagg atttgcacct ttgttttctt ctaatgattt 240
 tataacattg gctcttattt aggtctctga tacatctgct gtgaattttt atgtatggta 300
 cgaagtggga cgggggaggg gtgtcccact ttaatctttt gcacatggat gtccagtgtg 360
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 gttgaaaatc agttgactgt aaatgtatgg atttacttca gaactgttaa ttntattcca 480
 ttgagctata tctattatgc tagtaccata cagtcttgat gactgcatct ttgtaatatg 540
 ttntgagatt ggaaagng 558

<210> 1375

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1375

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 gccatttaag tggcacttcc aggacacca tctgagctc ccacaaaggg cgccaccttc 180
 ccaagaacgt ctaattgtca ttggaacagc cagtgtcagg cagcttctgc tcaggctgat 240
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 caggtgaaaa atggacattt ctgatactgc ccagccacta cggcaccaca acccatgctc 420
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 caggtcccac gctcttgcgg agtgagtatg ttgggtccct gtccccagtg tgttccagcc 540
 ttaccaggt gcacagagta ccctggggcc agcacagggc ttgtccagtg atgctcctgg 600
 tgttnacaaa atggctccag agatactgc attttgaaaa gcctgccgag ccagcaagtg 660
 tagggcanga cccggatttc tttggcaa atctgaaggatga aaagggccac ttgcctgctg 720
 agtaaaaact gcctttacct ggccagtgtg tgcaacttga gagaaaatga canctgcatg 780
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<210> 1376

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1376

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gggggaggtt gcagtgagcc aagatcgtgc catcgcactc cagcctgggc gacagaggaa   60
gactccatct caaaaaaaaaa aaaaaaaaaa ataccaagac tgtaataaag tgggtggtct  120
ctagaaccca gacctttact tgggtgaatt ttcaagggca ttttcatcag gataacttat  180
gatagcttca ttttttacca agataatcgt cttgaagtat ggaaattccc agctttcctc  240
tggtcagtga atgcatatta atcccattga tgctgggtgca gttattattt gccttanagt  300
tgagcaatag tattgaaatt ttccattgta tgtaataata atactatatt ttatgtttgg  360
aataaaataa cactttggga tatcaattta gtttcttcat tatttgacct tttatctctt  420
gaaagtgaac tgtacctcaa agaaaaaaga gtatatataa ttctgggtgct tttcactggg  480
atgaaaaaat agaggtgttc ttgaggtctt gccctttatc catagcgagt gattgaggct  540
tctcgactga tcaaggcaac tccagtccta agttctaact ccagaatatg taggattcct  600
caggactaga ctgagcagac tgctataaac gtgactccag aaggttctcc taagaattta  660
gataatgatt taccactatt catacactcg agttgaagac cttangctac tagaaatccc  720
caatctgtga gctgganaan cta                                           743

```

<210> 1377

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1377

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caaacatggc aaaaactatc tgataacagc caggcatata gaaagcacia tctaatatat   60
gagtctgaat ttactgtgtg cccttgctga aaaaaattca gccattaaaa taaccaaaaa  120

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attcataatc aagaaatatg tttctgtcat gaatagttgt tttttacttt agagtgtaaa 180
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 aacatggctg tataattagc caaatgtatg aaaaataaac actactttac tgacaagtgt 540
 aattaaagga aattggtaaa ttaagtacat tgtaattata ttgtaagtag ttaatatata 600
 aaatagtcac tcttcagctg ggcggtgggtg ctcacgcctg taatcccagc actttgggag 660
 gccaaaggcag gtggatcacg aggtaaggag atcgacacca tcctggctaa cacgngnaaa 720
 cccccngtc tctactaaaa aaatgcccg gccgtnaagg gaaggcccc tggtagtccc 780
 ca 782

<210> 1378

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1378

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 aaaagggaaa gaaggagggtg atggcggagt tttcggacgc tgttacggaa gaaaccttga 180
 aaaagcaggt ggctgaggcc tggagccgca ggacgccgtt cggtcacgaa gtcattgtca 240
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 tagaagggtc tcagaaggaa ctgatgaact tggacttcca tgagaagtat aatgatttat 360
 ataagttcca gcagtctgat gatttgaaga agagaagaga gcctcacatc tccactttaa 420
 ggaaaattct gtttgaagat ttccggtcct ggctttctga tatttctaaa attgacctgg 480
 aatcaacat tgacatgtcc tgtgctaaat atgaattcac tgatgccctg ctgtgccatg 540
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ggagcatggg tggtagcctg gacctgtaca gcattgatga acactttcag ccgaagcaga 660
 ttgtcaagtc tcttatccct tcgtggaaca aactggnttt ctttgaagta tctcctgngt 720
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 a 781

<210> 1379

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1379

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 atccagctca tgtagatgca tatttgtttc catgatcatt tgaaattcta tggagtcacc 180
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 gttagctgct ggaggggaatg ttcagttcag ttgaatgtaa atctagcgcc aagccacatg 300
 tgagctgagt gtgccaggat gccaagtgat aaatcgagga aagaaagatc acatgaggct 360
 gacatcttag cactgacaca tggccctctt ctgcagaaat actgggcaaa gagttgtgag 420
 tcagctacaa ggaagatagg gctttccact gaaaaaggca gtgttcaaag gactcattcg 480
 tcaggaaaaa gaattcccat gtcaatgaga gctgaatgtg agctacactc atctttggat 540
 aggtatttga tgaatactcg tattcttgga gtgactttcc aacatttaac taagaccatt 600
 cagccttcac aaccatttg acttaaaggg caaaagtgcc tatctgcaat ttgatgatc 660
 agacattgcc ttcttncct tctactnctg ctagatccat tctagnctct g 711

<210> 1380

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1380

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ttgtggtcca	tttctgggca	ccatgggctc	cacagtgtgc	acagatgaac	gaagttatgg	180
cagagttagc	taaagaactc	cctcaagttt	catttgtgag	gttggaagct	gaaggtgttc	240
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ctcagaaaaat	cgaccgatta	gatgggtgcac	atgccccaga	gttgacccaa	aaagttcagc	360
gacatgcatac	tagtggctcc	ttcctatcca	gcgctaata	acatcttaaa	gaagatctca	420
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ctcaagaacc	acgctgtggt	ttcagcaagc	agatggtgga	aattcttcac	aaacataata	540
ttcagtttag	cagttttgat	atcttctcag	atgaagaggt	tcgacaggga	ctcaaagcct	600
attccagttg	gcctacctat	cctcagctct	atgtttctgg	agagctcata	ggaggacttg	660
atataattaa	ggagctagaa	ncatctgaag	aactagatnc	aatttgtcca	aagcttccaa	720
attanaggaa	aggctcaaag					740

<210> 1381

<211> 708

<212> DNA

<213> Homo sapiens

<400> 1381

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ttctcatagc	gctcatggcc	aaacgtccc	cgcttggcag	catccgccag	ctgtaactgg	120
aggaacagga	ccaggtcggg	tttggaagg	cccacgtctg	gctgtttaca	ccaatctagg	180
gaaaaattct	gccaagaaag	aaccaacag	ttaaagctta	gtgtagtcta	ggtttttgtt	240
tcgaaagtcg	taaaaacagg	aaaaaatgag	gggacatttg	gtgaggtacc	aagatgtgag	300
actgtttata	ttgtggctcg	tttaattttt	agaacctcaa	acgtgtcggg	ttctccagt	360
tcacctttgt	ttttcctttg	taaacagaca	agtggacaga	aaagtaggta	gatagaacgg	420
ctgccagtcc	ccgccacca	cagcccaggc	cccatggagg	ccctcccagc	gcagctacag	480

gcctgctggc caggagcaaa cagtctatgt acagaacccc tgnagacccc cggcctagaa 540
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 tctgccacac acacgccagg gtctcctctt ccgtggaaga gcangaagaa gacaggcact 660
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<210> 1382

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1382

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 ggtttgtgta cgttgagttg cgatgttttt ttctttcggt cctcgtggac ttataaaacc 180
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 aagaaaatgc ctagggcgac gcagaacctt gtaagcctgc gggtaggctga aagtcactga 420
 cggaatgagg aatagggtga ggtgggaata ggtagtcatg atatacaaga gtggaccctg 480
 ataatggggt gaggtatggg gaaaggagct atccgacatg tccttagctc tagtctgtca 540
 gtaaagatat tttgaaagat tatcaattcc tgtttgtcag atgctaaaat attagacgac 600
 acagccctta ctggttangt tgngttacct ttttaattgg aactcctgcg ttgtantctg 660
 gttttacccg 670

<210> 1383

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1383

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c t t c c a c t g t	t g g a c t g c c t	a c a a t c c a g g	c t c t t c a c a g	c a g c c a g a g a	g a c c t t t a c a	120
t a a c a c g a a t	c t g a t g a t t a	t g t c a g t t c t	t t a t t t a a a g	c c c t c c a a t c	a c t t c c c a t c	180
a t a c t t a g a a	t a a a a t t c a a	a c t g t a c t c t	g a t c a t a c c t	g c c a a t c t t t	c a g a c t t t a t	240
c t c t a a c c a t	t e t c c t t g c c	c a t t a c a t t t	c t g c a c a t a a	t t t t t t t t g t	t t c t t g a a c c	300
a a c t g g t c t t	t e t t c c t g g a	a t a c t c t t c c	t e t t a g t t t t	t a t a a g a t t a	g g t a c t t c t t	360
t t a a c t c a g a	t e t c a g c t t c	a c t g a c t c a t	c e t t a g a g a t	t g g a c t t a c t	c t c a c a t t t c	420
t e t t t t t t t c	g t t c t c t a c t	t g g c a a t a a t	c t g a t a a a a c	a t c t g a t c t t	a t t t a t t g g t	480
t g g t t g g c t c	a t t t t t c t g t	c t c c c a a a a c	c t c c a t g a c a	g a a g a a c t t t	g t c t g a c t g n	540
t t t c t t c t c t	a g t c c c t g t g	c c t c t a a c c a	t t t t t t a a t g	a a t t t a t t g t	g a t a a a a a t a	600
c a t a a c a t a a	a a t t t a c c a c	t t t a a c c a t t	t t g a a g t g c a	c a g t t c t g t g	g c a t t a a c t g	660
c a t t c a c g t t	g g t g g g c a a t	g a t c a t a a g c	n c c c a t c t n t	a g a a c t t t t t	c a t c t t t c c a	720
a a c t g g a a a c	t t t g g a c c c c	a t t g a a c a a a	t a n c t t c c c a	a t c c t t c c c a	a g g	773

<210> 1384

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1384

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c t a a t t a c t t	t t t c t a a t a a	g t c a a g c a g a	a t g c t t g a t t	a a a g t t t t t t	c c a t t t a c t a	120
t t c c a c a g t t	t a a t a t a g a t	c t t a g t t a t t	t t c t t t t c c c	a t t t a g g a c a	c g t g t t t t a g	180
t a a t a t a g a c	t g c a t g c a t t	g a t c c c t t t a	g a a a t t t t a c	t g a t g a t t t a	t a t t t a t a g c	240
c a c a g a t g t c	t a t a t t c a a a	c a a a g t t t a t	t t t t c t a t g a	t a a a a t a a t	a c a a g t g t c c	300
t a a a g a a a t	t t g g a a t a t a	t a g g t a a a a g	a a g a a a a a a a	a a a a a a a a a a	a a a a a g a a a a	360
t a g a t g a c t g	c t t g a a g a a t	t t a g t a a g a g	a a c t t t a a g c	t a t a g a a a a a	g a g t t g a a t g	420
g a c a t a a c t a	g a a a a t g t a a	c a a c t g a a a t	t a g a a t t t a a	t a g a t g g c t t	t t a a a g g a g g	480

ttaacatggc tgaagagaag attagtgaat tggaagatag aacaatagat gttatcaaga 540
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<210> 1385

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1385

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 cagcacagct ctgtgaggct gtgtctcttc actctgtttc tggggctgct gagggcccctg 180
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 cgcgttttat ctgtgagcgc caggctggag ccactccctg tcttctcaca gtgccccctgc 300
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 aggacgctc cactctggga gctcccatcc ctcgggatgc ccaggagagg ccatactttc 540
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<210> 1386

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1386

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 aaggccccctc agggcaaagt gaangtgtca tagaaaagtg gaagtgcaaa gagtggacct 660
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<210> 1387

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1387

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taccattgtg attggttcag ggataggtgt aaaatgtcan gggacagtga gaccacaacc 660
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<210> 1388

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1388

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<210> 1389

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1389

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<210> 1390

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1390

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gagtaaagga atttcctaag ctactgccat gtgtcaggcc cactgntngg caatttatat 420
catttagctc ttgaatga 438

<210> 1391

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1391

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cattcttaac ctgactcagg acgggatcaa actaatgttt gatgctttca atcagagact 180
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<210> 1392

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1392

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<210> 1393

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1393

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aaaggtā 787

<210> 1394

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1394

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866

<210> 1395

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1395

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<210> 1396

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1396

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<210> 1397

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1397

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<210> 1398

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1398

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<210> 1399

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1399

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<210> 1400

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1400

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<211> 810

<212> DNA

<213> Homo sapiens

<400> 1401

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<210> 1402

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1402

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<210> 1403

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1403

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<210> 1404

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1404

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<210> 1405

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1405

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<210> 1406

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1406

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<210> 1407

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1407

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<210> 1408

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1408

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<210> 1409

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1409

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<210> 1410

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1410

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<210> 1411

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1411

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<210> 1412

<211> 729

<212> DNA

<213> Homo sapiens

<400> 1412

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<210> 1413

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1413

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<210> 1414

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1414

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<210> 1415

<211> 844

<212> DNA

<213> Homo sapiens

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<210> 1416

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1416

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ttaaattgaa taataaaatt ttatttatta aatcccagga cccttttttt ggctttgngc   720
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<210> 1417

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1417

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ttttttaaaa ccagtaacaa aggagaatag tatccttaac aggataaaat tatctatgtc   60
atgtcaacag aaggaatcat actgaattgt gaaatattgg aatcatctcc cctaagatca   120
    
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ggaagaaaac aaagatggct gctatcacca ttattattta atgttcttct agaagttttg 180
gacaatgtca tattatatga cttagaaata agaattataa ctatctgaaa ggaagaaatg 240
aaattatcac tatttggaaa tgatagaatt atctacctag acaaaagggt taattaaaaa 300
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gccaaaaatt gtgttatata atcatctcca ataagaagct gtgacagaaa aaagatctca 420
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ttttcattag catgcaaatt aattcctatc ctaccctatg gttccttcaa ttttagacct 720
ttattatttc taacctagac tttgnaacct ctttactccc agncttttcc aatcatctat 780
cccttentac cactactggc ca 802

<210> 1418

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1418

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aaatcttgag caatattgca gcaagccaaa tggcaaagat gactatgtgc cccaagacca 180
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caagcataag ccactgtgcc aagcctccct aaatgtttta atcttgtcat tgccaccatt 360
ctgcaagatt tacctttgaa tctagaaaag aacttggagt ctttctacta ggcctatccc 420
cacaccatt cccatcatag aggtgaagaa cctgaggccg ggacacacca caggactctc 480
agaatgacac agccagtcag attttcctgg caaaaaccc agtgttcttt caaagccacc 540
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ccaaatgagt gccctcagaa tgactggttt ccttgaaagc agctgtttca taaacatgac 660
 tttgcggggg cagctnangc cttccatgca gtggagtctg ctggtcttgg ggctgctctg 720
 ttaagcaaag gatgggaacc aaaggncctga cattttaata ttagcc 766

<210> 1419

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1419

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 tagccctaca tcatcagcca aaggattctc tggtagctgc tgtggttctg gaggaccag 180
 tgaggaaaaa acaggagacc acttgagaaa agatccttgt tcctttaggg aggaacctca 240
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 atgtgtctga aggccaaaat atatatccag aagcacaatg catcattcct ttgttgttga 540
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 catttggtat ctcaaatttt gatgatattc tcaaatacaa atatactttt ttatatttca 660
 caatatatgc aatatcaggg gaatatgcta aatggtacca ccaganggca caagcatatc 720
 acttttagta aggaaattac taagctgggg ttgctattta catatgaatt actggattat 780
 ttgaaaaag acgggggttat ggccttggtg gtantgaagc ttgaaatggc atggctatcg 840
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<210> 1420

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1420

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agangcacc ctnctcctca tgcttaacct taaaatgggt tagaactctt atggataatg  780
gttgatttaa gggagatctg ggaaatggga ttggaattta accantganc cctggggatg  840
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<210> 1421

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1421

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tcagcctgta tgactgtggc ctgagtcgag aaggagtgtc agctctgaga agaaaagggt  240

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tatttccact ctcatgtgac tatccatcta tccatctctc catccatcag cccattggac 300
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ccccctnctt tcttctccag ggatctggta tgctgagttt gcttttgaaa tggaggtcct 660
ggccagaggt ancctggnaa atacaggtct taatctaaaa aaacaaaact taatggggga 720
aagagtnttg gggaaa 736

<210> 1422

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1422

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atggtagtgt atcatggaca tctaaggttt gtagggctaa atcataccct cttctagtaa 180
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<210> 1423

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1423

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tggaaaactt atcttatcat accatccata accctcaaag acaggttttg tggaggagga    60
gcagtactgc tgagttcact tttagttgtg ctcatcctg ggcttcttgg ataggaaggg    120
aaggctgaca ggccaggttc tgtctcaagc ccatataaga gttgagttgc aattgtagtt    180
gaagaagggtg aagctcagag aagtttagtg acctacccaa catcacacag ctgcacttta    240
aaaccagttc tttatctgtg tgactccaca gctgtcaggc taacaaagga ctgcacatca    300
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aacaaaggta ggcttctcat ttagtgtatt tgcccagaaa aatgaggaca caatacttgt    420
gttttcttgg tggccattt tactccctct tacaacata tggctaaggt cttgaaaagt    480
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actcacggtt gagagagagg gggcaggact ctttcgggcc aggctaattc aaactattct    660
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<210> 1424

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1424

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taatattttt gagatctgtt ctttatttct gatttgggga tttgtatct tccctttttc    180
ttggtcagtc taggtaaagg cttatggatt ttatcttttt aagatcccag cttttagtta    240

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gttttattga ttttctccat tattctcatt taattaattt ctgctctgat ctttattatt 300
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aagcttagat gattgatttg aaacctcttt tctaataatag gcatttaaag ctatacattt 420
cctgctaagc agtttttttag cttcacacca taaattgcga tgtgttatga ttttgttttc 480
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taattctgtt atgattggag atcatacttt gagtggcttc agtccgctga atttattcag 660
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<210> 1425

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1425

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gaattctttt atcagttaat ctttcttctt tcttgtagat agtggagggc taagaaaagc 180
angaagtcag gaatgattga gaaacaaata aatgccactt atctcattcc tcccctggga 240
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ctgttttccc cataactaatg ctaagccatt gctagaattc cttctatgtg gcagtgaaaa 420
cgtaaaatga tgtcttccca ttacaaatca natgaggaca agtgagtagn tattgtagga 480
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tccatggcta taaaatattc caattggaag ggaacttagg ataatagtgg atggatttca 660
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ccatatctca gtgggaatga atagcatgat caattagcaa aagatcctat ttttaggaat 780
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<210> 1426

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1426

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 tcccactggg tattgtatat actgtgtctc taaaagctga ctgggtctctc ccaccagctc 180
 actttctact tgagacatac catattgcag tgaggctaga atactgggaa ggggaatgac 240
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 tgttattctc cccatcccac tccttgcttc aaatatcatt ccattaaaag caggatcatc 480
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 agttaacatt gnaaacaatc atttgaaggc aattcaagct tctggtgcan angagttatt 720
 attaaatata gttgtgtaaa aggaggcatg gatattcacc ctttagtggt ccataaccggg 780
 attaaaatnt tcccg 795

<210> 1427

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1427

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acatctttgc actctccaac agtgctacat ttaacaggta ctagctgcac tctttgaatg	180
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caagacaatg tccttgtttg tacaatggac attgttcagg cagagctcat gggttgcat	360
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<210> 1428

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1428

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tatcatctct ccattgggtac cacataaccc acaccattcc tattttattga taccaataat	360

cctttcaatg taactagtag gcttttgagt atatgcacaa aactgtaact ctactaataa 420
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<210> 1429

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1429

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<210> 1430

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1430

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actcaatgct cttccctttg ggaagagttt tctgaccctc catctcttcc cgtggctgat  180
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<210> 1431

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1431

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 ttccccaag aagccaaatc cagattttta catgaaatgt ccggcttata aaggtggctc 780
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 aatggagacc cctcnc 856

<210> 1432

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1432

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<210> 1433

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1433

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<210> 1434

<211> 877

<212> DNA

<213> Homo sapiens

<400> 1434

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<210> 1435

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1435

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<210> 1436

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1436

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<210> 1437

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1437

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<210> 1438

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1438

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<210> 1439

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1439

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<210> 1440

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1440

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<210> 1441

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1441

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<210> 1442

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<212> DNA

<213> Homo sapiens

<400> 1442

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<210> 1443

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1443

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<211> 740

<212> DNA

<213> Homo sapiens

<400> 1444

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<210> 1445

<211> 857

<212> DNA

<213> Homo sapiens

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<211> 843

<212> DNA

<213> Homo sapiens

<400> 1446

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<211> 809

<212> DNA

<213> Homo sapiens

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<210> 1448

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1448

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<211> 901

<212> DNA

<213> Homo sapiens

<400> 1449

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<210> 1450

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1450

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aacattttgt gagaaaggat cagtttctat ctagtcaatg ncttaaacad tcataggntg 720
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<210> 1451

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1451

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<210> 1452

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1452

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 tgctctgttt ctgatggtgt ttaatcagtg agaacagggt ctacagttcc cgaaaagagg 720
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<210> 1453

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1453

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<210> 1454

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1454

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<210> 1455

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1455

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<210> 1456

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1456

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gtgcggaagg gagcctgtgc cagccacgtc agcaccatgg ccagcttctt gaagggggcc 360
catgtgacca tcaacgcacg ggccgaggag gatgtggagc ctgagtgcac catggagaag 420

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<210> 1457

<211> 890

<212> DNA

<213> Homo sapiens

<400> 1457

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<210> 1458

<211> 907

<212> DNA

<213> Homo sapiens

<400> 1458

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<210> 1459

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1459

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<210> 1460

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1460

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<210> 1461

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1461

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<210> 1462

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1462

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<210> 1463

<211> 748

<212> DNA

<213> Homo sapiens

<400> 1463

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<210> 1464

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1464

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<210> 1465

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1465

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agaattttct atctttaata aactttttct ttggtttttt ttttccagat ggagtttcgc  780
tcttgcccc caagctggan tgggtgcaatg gcacgatctc aggtcactgn aacctntggc  840
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<210> 1466

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1466

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 tctctttgcc ttctttattt ggaatttgag gcacttagta tttttttta taagttatag 780
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<210> 1467

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1467

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 cccttggtca tgggtcccag gggaaatgaa gaggagagta ttacaggcaa ctggaagatt 720
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<210> 1468

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1468

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 gctttctgga ggaccatgtc agtgaagacg cagaaactgc atttcgggaa aagatgtgga 720
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 gaagggat 788

<210> 1469

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1469

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tggtgaa 787

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<210> 1470

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1470

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ccccgtgcag aagaaaagcg ggagggaacg gcggaggccg ccgctgccct gcaccgccct 180

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cctggaggcc acttggagag tccggccccg aggaggccat ggccacaagt gcccacagct 240
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 catcatcctn aacaaccaca cctggaactc gtgggcccga tgccagcacc ggaggaccaa 780
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<210> 1471

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1471

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 tgtcggccag actggagtgc agtggcgca tcttggtca ctgcaacctc cgtctcctgg 420
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<210> 1472

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1472

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ccagtccatg ggttcttatg gacctttcgg caggatgccc acatacagtc agttcagtcc 180
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ctttacacag gatacaagat ctctaaaaac acagttatct caaggtcgct caagccctca 360
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cttacctgct ccagcagctg ttgggagaag gagtcctgta tcaaccaggc ctttgccatc 480
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caacaaggaa gagattgaca gagagtttca taataaactt aaattaaaag aagataaact 780
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<210> 1473

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1473

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<210> 1474

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1474

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 aaaccaatcc tctgcttttt ccttgtaagc caacgacggg gcctttgatt ncagactcta 720
 angnagcttt ggag 734

<210> 1475

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1475

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 cttcacacgg gtggtgccc ntaaatggaa tgggtattat tttgaagatc cttttnggga 780
 aaaaatgtcc attctttaan aa 802

<210> 1476

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1476

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tcttcaca 728

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<210> 1477

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1477

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ccttagaaat caggatagcc ttgcatcca ttttggttaag aaaactgatg ctgagaggat 360

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aaattaccta aaaatcttaa aaccaggca agttagtcaa agaatcaaga ttagaattca 420
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<210> 1478

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1478

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agaatgttaa acctaaacgg taagcccttc tgngaatacc ttttaagtaac n 831

<210> 1479

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1479

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 tct 723

<210> 1480

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1480

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<210> 1481

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1481

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<210> 1482

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1482

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<210> 1483

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1483

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gnggctaata atngg 795
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<210> 1484

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1484

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<210> 1485

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1485

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<210> 1486

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1486

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<210> 1487

<211> 812

<212> DNA

<213> Homo sapiens

<400> 1487

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<210> 1488

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1488

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tnacaaactc tctctgccat ggatggcacg gtgacgttga aactggtggc caagaaagct 660
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<210> 1489

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1489

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<210> 1490

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1490

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<210> 1491

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1491

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 ttgacctaat ancagcgttt ttttgacaca ttgacactt tttccatcac gctcttttca 780
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<210> 1492

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1492

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<210> 1493

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1493

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caagcatttt gggctctgggtt agaactaaac tntagcaaac aaggaggagg ttttcaggg	180
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<210> 1494

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1494

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<210> 1495

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1495

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<210> 1496

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1496

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<210> 1497

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1497

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<210> 1498

<211> 629

<212> DNA

<213> Homo sapiens

<400> 1498

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629

<210> 1499

<211> 622

<212> DNA

<213> Homo sapiens

<400> 1499

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<210> 1500

<211> 738

<212> DNA

<213> Homo sapiens

<400> 1500

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<210> 1501

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1501

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<210> 1502

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1502

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<210> 1503

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1503

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<210> 1504

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1504

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<210> 1505

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1505

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<210> 1506

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1506

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<210> 1507

<211> 708

<212> DNA

<213> Homo sapiens

<400> 1507

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<210> 1508

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1508

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<210> 1509

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1509

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<210> 1510

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1510

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<210> 1511

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1511

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<210> 1512

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1512

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<210> 1513

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1513

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gttcgttggg cttcctgaat aatTTTTTTT tttctTTTTT gagacaatgt cttgctctga 600
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<210> 1514

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1514

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<210> 1515

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1515

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<210> 1516

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1516

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ggagtctcac tctgtcactc aggttggagt gcagtggcgc catctcagct cactgcaacc  180
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<210> 1517

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1517

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agctcctggg ctcaatgata ctcctcctcg gcctacccaa gtgctgggat tataggcatg   60
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gtaaaaatcc tattacaaca aattgtacca agtccttagac taactagaat aggaccattt 180
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 catctttact aaaaatcaaa aaaattacc 749

<210> 1518

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1518

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 tgtgttcaat cttcttacac ttcagtttct tcattttaaa aaggaaaagg taatttcttc 180
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 gggatgaatc cattacatct ctttctggc taatatTTTT atctaccttc cgactTTTT 780
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<210> 1519

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1519

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 tatgcatctg tttgggagtt ctctatttat tccattgact tacttgTTta tctttatccc 180
 agtacctcca gtaaagTTTT gatttctgta acttcagaat aagtcttaag tccagtagtg 240
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 gagattgcag tgagccgaga ttgtgccact gaactccagc ttgggcaaca gantgagact 660
 gtctcaaaaa aaaaaagatt ttctgaatat attgaaatga gttttctcat cttgncatga 720
 gatgaaaatt ttttctttgc tctacggntg tggcnaatgt gctctattat ggattggagc 780
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<210> 1520

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1520

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 tacctcggcc tcctgagtag ctgggatcgc gggcgtgtgc caccacaccc agctattttt 180
 tttttttttg tagtgtagt agagacagga tttcaccatg ttggccaggc tggncctgaa 240
 ctctgacct caggtgatcc acctgcctcg gntcccca gagctgggat ttagaagcgt 300
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<210> 1521

<211> 692

<212> DNA

<213> Homo sapiens

<400> 1521

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 taggtagaaa caagcaatct gtgcttctca ttactttatg cgatttagtg atgtaattac 180
 ttctgatgca agtttgtgta tgatcacttt ttgtatatat caaatggaac agagcagtca 240
 tgcagtatat ataccatatt gatcaaagat gaattacaga aactgagaa ggggaaagaa 300
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 caaattcaca gatgaaccaa atacagtcgc aaggagaagg cagtgttttc ctggagcttc 420
 cttggagtgg tctgtagcat agcattttct tttctttttt ttttttttga ggcggagtct 480
 cgccctgtcg cccaggctgg agtgcaatgg cctgatctca gtcactgca gcctccacct 540
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 ccaccagcc catctaattt ttgnattttt agtacagatg aggtttcacc atgttggcca 660
 ngctgatctc aaacttctga ccttngatc tg 692

<210> 1522

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1522

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gaaaaataga gatgagggt cactatgttg ccaggctggt cttgaaatcc tgacctgaag   60
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gccctcccta aattttctaa cagcaacctt atctttaaag aaattgtccg tgtgtgctct  180
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gcagcggaga gagactcctg tcaaaaaaaaa aaagaaagcc ttcagaaggg agtagagcca  720
gcttttttaa actggttact gggagaaaat tgaaatcaga ccagggtttt taatccaatc  780
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<210> 1523

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1523

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cttgcgcacg cgcagcccgc ccctgcggca gaggggcgcc cgcgcgtgac tccccctgc   60
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acgcgccctg gagccccggg gccagctcta gggcccgtgc aggccacacc atgaacacct  180

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ccccaggcac ggtgggcagt gacccggtca tcctggccac tgcaggctac gaccacaccg 240
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 tcgtgggtga ccagaacggg gctatccaca tctgggactt gaaaacagac cacaacgagc 660
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<210> 1524

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1524

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 agacatttgg ttaacttgga tctttttcat aagtctttg ngatgctttg taanggtagt 660
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<210> 1525

<211> 813

<212> DNA

<213> Homo sapiens

<400> 1525

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caaaacaaaa acaaacaac aaaaaaacct gtatcccttg gttttagttt gtaaataaac   60
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gattgctgtt tgccatgctc tttggaaggc ttcatgcacc gcgttacatt tagctctcat   180
gacgacctta catttgtaag agtgtgagac agagcagtgc aaggctcctgc ccaaggcccc   240
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<210> 1526

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1526

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ttatggagat attttgactt ctggggatgg agctggagca tgcccaggag acccatagtc 660
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naca 724

<210> 1527

<211> 605

<212> DNA

<213> Homo sapiens

<400> 1527

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cgnc1

605

<210> 1528

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1528

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<210> 1529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1529

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<210> 1530

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1530

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 aaaaagaaaa cagaagaaaa ttttcatgaa ctgaagttag acaaaaagtt cttagatatg 480

atgtcaaatg cctgatccac taaaaaacat gacaaattgg attcataaaa tttaaaaccc 540
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 catcaaagaa gttatatcga tggaaaataa gcacaagaaa atattttcaa catcattagc 780
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<210> 1531

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1531

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 ctctgcagtt aaagatccct gacctgttcc gtgacctgga gatcattcca gccttacttc 660
 acggggacct ntggggtgga aacgtanacan a 691

<210> 1532

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1532

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ccacagagga gggcaaggaa gtatgggatt atgtgacggc ccgcaaggat gcctacatgt 180
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<210> 1533

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<212> DNA

<213> Homo sapiens

<400> 1533

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<210> 1534

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1534

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<210> 1535

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1535

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<210> 1536

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1536

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<210> 1537

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1537

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<210> 1538

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1538

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<210> 1539

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1539

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<210> 1540

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1540

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<210> 1541

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1541

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 gaaacagagg aacaggtaca gaaacttcag gctatcctga accaatgatg ttgagaccat 780

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<210> 1542

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<212> DNA

<213> Homo sapiens

<400> 1542

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<210> 1543

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1543

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<210> 1544

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1544

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<210> 1545

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1545

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<210> 1546

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1546

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<210> 1547

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1547

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<210> 1548

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1548

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 atcgcccaac ttttaagatct aacaatggct tgctgtaata ttttattgat gattttttaa 420
 gtaagcatac tatagctgaa ttcttctaaa ttttatttta tattcaaata taaaataatt 480
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cattcacata tatactgtca attgattttt gacaaaagca ccaatgcaat tcaatgggga 600
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catgaatttt ttccacatag catacacaaa aattaatttg aaatgngtca ttgatctaaa 720
tttaaaaacc aaaactatcc acatttagac caaaacatct aagactatct ttgaaagctg 780
ggggtaaaga aagatttcta ggacatagaa ggcatntta gagaagacat tcccaatgga 840
cttntcaaaa tttaa 855

<210> 1549

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1549

gaaaaatgat gctctcccca cttctctccc ttccgtaagt atttcctaag tgcctactat 60
gtaccagata ccattctagg tgcaggggac atgtctgtaa acaaaacaaa gtcctttctc 120
ttaaggaggt tactttctag tagagacaga caaataaatt aataaagaga ggctctatca 180
gaggtgaaag ttctctgcag aaaatcaaag cagggggcca ggtgtggtgg ctacgcctg 240
taattccaac actttgggag gccgaggtgg gcggatcatg aggtcaggag ttcaagacca 300
gcctgaccaa catggtgaag ccccgctctc gctaaaaata caaaaattag ccaggcatag 360
tggcatgtac ttgtaattcc agccactagg gaggctgagg caggggactc acttgaacct 420
agcaggtgga ggttgcagtg agctgagatc gcgctactgc actccagcct gggaaacaga 480
gcaagactct gtctcaaaac aaaacaaaca aacaacaaac aaacaaacaa aatcaaagc 540
aaagcaaggt aaggagatat gaagatctcc aggaaggaga agtggtcaga aacagaatga 600
gtcaggaaag gtcagggtaa taaggtgttg tctgagtaaa ggcctttgta gtgaaagggg 660
agcagataga tacctacgta aggaatgccc ctggcagaga aaagagcagg gacaaaggcc 720
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<210> 1550

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1550

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aatcacttga acccgggagg tggaggttac agtgaaccga gatcgtgcc a ctgcactcca 180
gccccggcaa cagagagaaa aaagaaaatg tggtcaggct ctgtgttcta ctgtcttccc 240
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caggcctagc cctgtcagca ccaccctcca cagatgcccc aacagcccca gcgcatttct 480
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ttgcagaaat gcttctaact ataaaatgcc aaacctggga aagaatgttt ggattctcat 720
agcctggatc agtaggacac tgccttggcg ttgctgggtgc cccaccccaa cttanccang 780
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<210> 1551

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1551

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tagccaacaa tttacaaata ataaaatata cattgcttgt attataaatt ccatttagcc 60
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gatggctgcc atgcatgaac agttgtcttt ccagcgtaaa tattgggtaa tatttttgcc 180
acagaaacaa caagacata tgcagaact tcattcactc accagggatg ggaacaactt 240

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ccttgctaaa ttggaaaata attttcaa atctgaaagaa tatctcttca gttttgtatg 300
 ctgttcacag tgtaatacct acagacacga aacactttta agttatacct gcagtattaa 360
 tgctttctcc atcactttct taagcccaga aaatcaacag taaaccacgc ccttgtttgt 420
 agcatttgtc gatttccata tgggaatatc ccgcatggc caatttcaag ctgctcacgt 480
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 tgagatcatg aggaaggggc aatttgtgaa tattcattac ctttgntttt agtataattt 660
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 acaaagggtc tgaaaatgtt cacaatcagt tccgttaagc cagtgcctgg cggctgcagc 780
 gcaccactgn atattgggaa ttgnacgggt agaagggttg ctttctcttg ggacaagcnc 840
 ctttaagggg a 851

<210> 1552

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1552

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 aatggctgga agtgggggggt agttaaaaag agccatgtgg gctgggcgcg atggctcacg 120
 cctataatcc cagcactttg ggaggccgag gtgggcggat catctgaggt cgggagttcg 180
 agaccaggct caccaacatg gagaaacccc gtctctacta aaaatacaaa aaaaaaaaaa 240
 attanctggg catggtggcg catgcctgta attccagcta cccagctacc cagctacccg 300
 gctgaggcag gagaactgct tgaacctggg aggcagaggc tgcggtgagc caagatcgcg 360
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<210> 1553

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1553

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ttgctacatc aaagagagag atccttttgt ttgtttgttc gtttgttttt tgagactgag   60
tttcgctctt tcgcccaggc tggagtgcac tggcatgac tcggctcact gcaacctctg  120
ccttctgggt tcgggcgact cttctgcctc ggcatcccga gtagctggga tgacagggtc  180
cagccaccat gccagctaa ttgagnatt tctagcggag atgggggtnt accatgttgg  240
nca                                                                    243

```

<210> 1554

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1554

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caataaaatt gtctaattgt cattctaacc ctattatagc agtttctcaa actcttaaaa   60
aatggaaaag atgcctgtag tgtttaatgt tatgcctcaa accttacttt tccccagtt  120
ttctttttaca tcagtgcata gcactcttta tgagcactaa atgtgggtaa aggtacaagt  180
cagagagcac ctgttttaga tatgtggcat tttaaattga gtccttttgg ggtactagtc  240
tatcaagaga gacacatttt cttatccatg tcaattttgc ttcctatttt cttatccatg  300
cctttcactt ggaatgacaa cagttgacat taaaagctg ttggcaggta tggaataacc  360
ttattctgtt accaaatagc aaagaccaa gtgcatgtga ggtgtctcac aggtttaata  420
aatcagcaat tacatctctc gagtgtgata ttataggtg gcatttagaa cttggggcgt  480
aacaatgcgt acaaagacat cattctatct gcacctaatg tccgaaattc ctactgctcc  540
agcaaaattt ctgacgtgtt agtttcagga gtagcacgca aactgtgttt ttaagttat  600
gcagacagca acctgtccta catgcaagtc acaatcactc atgaaaatta gtttatgttg  660
cttatagctt cgcagcttgt gagctttcac tagagccgag gaagacttca aagcgactag  720
atgttagcac ttctgccgaa nggatatttc ctggatttca ctccatgtgn ttatccctt  780
cttccatcta aggactctag ctncctaacct tcccggcctt aaggggttac cacaggcatt  840

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tttaaccgca ttcccttttt ccnttt

866

<210> 1555

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1555

gagaaagaat aggtcagaag caatagtaaa agacataata acttgagaat cttccaaaac	60
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caaaaataaa gggaaaagag aggaaaaatt gccaaaacaa agaaaatctt aaaatcagcc	180
aaaggaggaa aaagatacat taccttcaaa ggagcggcag taaagacgga cagtctactt	240
tgcaaagaaa tggaaatcaa aatacagtgg aacgatatct tcaaagtgtt gtaagaaaat	300
aactgccaac ctagaaatct gtatgaagca aaaatatctt tcaaaaatga agtgagaata	360
tagacatctt cagacagaca aaattagaat tcatcaccag cagatctaca ctagaggtag	420
tataaagaaa gttcttcagg taaaaggaaa attatcccag ctggaagcat ggagatgcag	480
gaaggagtaa agagcactgg aaaggataga tagacgaata catctaaaat aatgtgaact	540
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gtaacctgca catcctgcgc atgtacctgg aacttaaaaa tttttaagt aaaaataata	660
aatggcaaca gcaacacaga aagctggaag agagtcttga tgggggaaaa acacagggtta	720
tttttcctcg gctctcactc tacaacagtg atcatcacag aggacttctt tgaccaaatg	780
tgtggatttc ttccccacgt gccaaaggcaa ggccatcagt ttntgcaatg ggccnccaac	840
ttgggtcggg cttaacncc	859

<210> 1556

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1556

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 acggccgcat caaccacgtg ttcggccacc tagccgactg cgacttcctg gctgcgctct 180
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 tgctggacga gggcagcctc tgaaccccgg cgccgcccga ccgcgcccct cgcgcccttt 300
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 atcggactcc ggccaaactc ccctagacag atgggtgacc tgtctccttt gagaggatgc 420
 tgaggcatct gtagcagctg tttcaaacac caatgtcacc tctcctcctg gccccgccc 480
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 tgggccacgc cgacccttg gtcgcttgat gtaaaagcca aaagctgctg cctnccactt 600
 ggatcatgtc gcctgggatt ttcctccctc gacaaggact aggggttcac acggtgaact 660
 gggggaangg aagtgttaag ggggcaagtc gnggnacccc ccctttcata aact 714

<210> 1557

<211> 803

<212> DNA

<213> Homo sapiens

<400> 1557

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 taacatgaga aatgtgctgt agtcgtcacc ctiggaacaa acacgtccaa ttacagtga 120
 attctgtgcc ccttaccgg ctaatttgaa cacagctcac cgccaaggcc tcctccagca 180
 tggccagccc tgggcagaga tcgtcacgaa tggatttgac gggaatgggg ctggggactg 240
 tcatgttgaa gcccggtgga gatgtgggac agggacctcg tttgttccag agcctgttcc 300
 aaccctccct ggcttttgtg gcatgttttc tatgccgttt gctgcaagga tgcgttgggc 360
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 tttgtctgtg tgtctacctt gtttagagt aaaaaagtga atctgaggcc agatcatcag 480
 tctgcacctg cctctcctca gtataatata aatacagaag aattatattc ctacctaaag 540

gaattcatcc acatactata tttcaggcat ctattggga atcccagaga ccgccgagtt 600
 gtgattatcg aatcgggtatt atgtccttct cacttcagag agacactcac tcgtgttctt 660
 ttcaaataatt ttgaggntcc atctgtcttg cttgcttcaa gtcattctaat ggctcttctg 720
 acgcttgga ttaattcttg ncatgggcct anattgggga tataggga aa gcctggtgtt 780
 acccatatnt gaaggaatcc caa 803

<210> 1558

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1558

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 ccatgcacac acgtggcacc ttgggtttgt ctggggggag aatgatgttc ccgttatccc 120
 gatggtgtcc agcttttcta tttgtcatgt cagctgctgg gcctgtctta gaagttgcta 180
 ataacttcca ctttaataatt actcttattg atgcattggg tttttttatt gaccaataaa 240
 taatttaggc attggcaatg ttaagaccat aacataaacc ttttctaagt aatttttcca 300
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 acatataaac atgtttatcc tatttagatt tgtagttcct gggagtcaga gttctgtgag 420
 cagtcttaac ttataaagca tgttcagaca tgcttttcag atgattttgt ttcattttta 480
 aaggggaaat ggcattaacc taataggaat tctcctcctg aacctcagag gcagcagatg 540
 gtacagctct ctttgaactt tactgccag gtgaacgttc tctgcattta gatcttcagg 600
 agttttacag actagtgtgg agtgggacat gtaagggnca agangaagag gcaggtttca 660
 acttgagctc ttcttcctcc ttaaagcang gacaagtg 698

<210> 1559

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1559

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gaatattgtg catttaaaag agatgaggtt tcaccatctt gcccaggctg gtctcaaacc 60
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ccaccgtgcc tggctcctatt ttttaatttt tgaggaaact ccatactgtt tttccataat 180
ggttgtaacta atttgtattc ccaccagcag tgtgcgaggg tttcctttcc tttacatcat 240
caccaacact tgttcattgt ttttatagta gccgttctaa cgagtgttag gtgatatctc 300
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gagtgcagtg gcatgatctc agctcactgc aacctcagcc tcccaaatac ctgggattag 420
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tgttgcccag gtaggtctcg agctcctgac ctcaagttca ggtgatctgc ccacctcagc 540
cttccaaagt attgggatta cagacatgag ccaccatgcc caccctaatt aacagtattt 600
gtcaaatttt aatgtgcatc anattcttag gtttcagctg gcatctgttt ccagctcttg 660
gtgctatttg caaccttgna tcttangatg aagc 694

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<210> 1560

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1560

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actagcgacc ggtgacctct tttccccct tgcctggctc ctgtggtggc aggctgggca 60
cgaggaccat gctggggcgg agcctccgag aagtttctgc ggcaactgaaa caaggccaaa 120
ttacaccaac agagctctgt caaaaatgtc tctctcttat caagaagacc aagtttctaa 180
atgcctacat tactgtgtca gaagaggtgg ccttaaaaca agctgaagaa tcagaaaaga 240
gatataagaa tggacagtca cttggggatt tagatggaat tcctattgca gtaaaagaca 300
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caccttataa tgctacagta gttcagaagt tgttgatca gggagctcta ctaatgggaa 420
aaacaaattt agatgagttt gctatgggat ctgggagcac agatggtgta tttggaccag 480

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ttaaaaaccc ctggagttat tcaaaacaat atagagaaaa gaggaagcag aatccccaca 540
 gcgagaatga agattcagac tggctgataa ctggaggaag ctcaggtggg agtgcagctg 600
 ctgtatcggc gttcacatgc tacgcggctt taggatcaga tacaggagga tcgaccagaa 660
 atcctgctgc ccactgtggg cttggtggtt tcaaaccaag ctatggctta ntttcccgtc 720
 atggncatcat tcccctggtg aattcnatgg atgtgccagg aatcttaacc 770

<210> 1561

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1561

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 tgtaagaagc agacatgtca cagccctggt tatacagtca gtgtataata agtggttaagc 180
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 gctggctctc gcaggttgca aaatggggac atcacctgcc gcctgggcta cagcgtgctc 600
 gccgattgca tttggggagg gactganggc tgattgtgtt gtggggatgt tgcagagaat 660
 taganaaggc attccaaaaa ggccaacant tcg 693

<210> 1562

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1562

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tactggatat taattcaaga caagttcttt aaatttgagc ctaaaacca gtagcactct 120
gtacattgaa aatttcagat tcataagaaa ccatcagtcc tgactggaac ttcataattt 180
gttcatttgt ctgtgttttg ggggaaaaaa ctttaaaacc tcaaccattt atcaaggaat 240
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aaagcattca tttgaaggag cctagccatt ttctctttct tatttaaaga cttggcttgg 360
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cttagatgaa aatcggaaca tgtttttaaa atagtgtgtg tctactttca tctctgttat 600
caaacttgct gcataagcca gagttgatgc tctgtgatta tgctaataac caaaagaatc 660
gatgatgcga gactngatgn aatcagngg 689

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<210> 1563

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1563

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ttttgaataa gaattggcgt taactcctcc ttgcaatgct gtgagcattg tagaaaaaac 60
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acctgggtac atctgtcacc ttcttgggcc ttcttaatta ggaaatgctg ctttcagaat 180
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gatgcanact gttataatct agtagggtgg tttggcaaaa aaaaaaaaaa aaaaaaaaaa 360
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tcaaagctca tgtgttactc acccatntc agctgctgag ctccaaacac tgggtgcagta 480

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aaataaaaaat gaaaatgcct cctgcctcct actgcttcct cctacataca ccttaaggaa 540
acaagatcca gattttctaa acaattttct tcattttact ttattttgat tggcaaaatg 600
tcataggaaa tgacttgta gtgtatcaag ttacatatg tatttccatg accatacata 660
gaatgttggc acccatagat ttgaaatcag actttntgct gcatcattag nattcataan 720
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<210> 1564

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1564

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tggttagaaa cccttctggt tgcaggtcgg ccagtaccta cggagacaaa tgccagcact 660
tgagtcttca ctcggtctta agaaactggn ctggtctgac ctgggaattg gctatatgct 720
tccccgggac ttggaaccgg nacaattccc cggactgtgn aat 763

<210> 1565

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1565

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aaaatgagaa acccctacac agggctctat gtcccctcgc cctctccagt caaggccacc 60
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gaggaagggg gtgccctgcc accctgagaa caatgggtgtg tgcagaagag aagggactga 180
aactctttga agatgttcca ggatttagca cccaggggagc ggcgagagact cagccccacc 240
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ccaatgacac ttctgcctaa gctcgcgctg cgggaaggna agaagccagg ccaaggtccc 660
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<210> 1566

<211> 666

<212> DNA

<213> Homo sapiens

<400> 1566

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gaaaatgtgt atgtgtgtat atgtgtgcga gtgtgcgtgt gtgcgcgcgc tgtacctctc 60
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tccttctgtc actcctctgt ggcctggagc ggcctgctgt ctcccgtca cgagccagcc 480
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 ccacacagtg ccttctgttt cctctcattg ggcagaatcg tgtcatgtgg ccgcccagtt 600
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<210> 1567

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1567

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 tggataact gtgtgcaaat aggaggtttg aggtccaaat tcctgggact caaatgtatg 660
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<210> 1568

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1568

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cagagctggg ctattagctt tcctcaagaa ggaaaaagga gtgctacaaa agttaatac 660
tgatttttaa aaaaaattgg cattcacaca atttctacta ccacagatga gacttctttt 720
tggtttctca aaaacttang ctctnknagg aatgggtggag ct 762

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<210> 1569

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1569

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ttcaacgctg tatatgcgga gtctgacttc cagagcactt ttgtaatcca aatgccacgt 660
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<210> 1570

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1570

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<210> 1571

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1571

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gattcattgt ttctcataag aattttctgc tggctcatg cggacttgct cgtgtcctag	180
ctgggatggc tggattgttc atcttgcaat tgggtctgga caatgggtggg ctctctctca	240
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agaagggcaa gaggatgc tgtctggtct ttgaagtctc actcagaagt cacctgttgt	360
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aatcgattcc acctcttgct gagaggagca gcaaagaatt tatcgccact ttttaaccac	480
tacaacctca atttcaactg attgtctcta atgacttctt ctgtaagcat ccaaaacatc	540
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gcctagtctg aggaataatg actttaagtt atattttagt agaagtggta aagccacgaa	720
gcagacccat ggagaaatgc aaatctgtca tcagccttga aggatgggac aaatttgggt	780
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<210> 1572

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1572

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<210> 1573

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1573

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 agtttctca cctggacagt ggagctgaac ccacccccca ctatctgacc ctGctctctg 540
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 ccaaggttgc ccggcctgca tgccggccca nggctgctgc tgnGtcttgc catnaaccct 720
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<210> 1574

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1574

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aatt 724

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<210> 1575

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1575

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<210> 1576

<211> 748

<212> DNA

<213> Homo sapiens

<400> 1576

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 caattccgtg caaagatgat acatctttga agttgatgag gcctattaat tgagcittatg 660
 ccccttaaaa tgaattanat tcttgaaatt accacacaga gtacatccat tagtggttct 720
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<210> 1577

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1577

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ctcttcggag caggatggac tcagggtccc gaggaagtc agactgttgc agaggctgaa   180
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<210> 1578

<211> 812

<212> DNA

<213> Homo sapiens

<400> 1578

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tcttttagtta ttcaaattgt gaggttaaga aaggaactcc taagtgtagc tactgcttct 180
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<210> 1579

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1579

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<210> 1580

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1580

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<210> 1581

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1581

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tactgtcaga ttcatggagt tccttggaaga aattgctttg gcaaatagat agggaaaatt  180
tacaaatagc acaaaaacttg gtaaataaag caatttctaa agaatccgcc atggactagt  240
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<210> 1582

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1582

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<210> 1583

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1583

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<210> 1584

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1584

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<210> 1585

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1585

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gacttccttg tgtcctgctg gcagaggcca ctagttttga cacctgggtga gagatgtgaa 180
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<210> 1586

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1586

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786

<210> 1587

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1587

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798

<210> 1588

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1588

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<210> 1589

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1589

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<210> 1590

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1590

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<210> 1591

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1591

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<210> 1592

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1592

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<210> 1593

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1593

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<210> 1594

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1594

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<210> 1595

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1595

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<210> 1596

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1596

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<210> 1597

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1597

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<210> 1598

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1598

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<210> 1599

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1599

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caggctgtgg ctgaggaaca gangcccat gctctctttg ctgcaacaga gacatcttcc 660
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<210> 1600

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1600

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<210> 1601

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1601

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 ctttaataca ggcatattaca agaaatggct caacataagt ttcccttgtg tttgtaaatc 180
 aaggttgagg tcacttatga ggcctaactg gtttcgtctg ctcagagatt cttcaggcct 240
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 aacctttttt gaccttgcatt cacttcacc ttacctacag gccacccaa gttcaagagg 480
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 gtggaatata ttgttacaac tctcttgaag aaagtacaac ctggctgggc gccatagctc 600
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 tcaagaccag cctgaccaac atggagaaac cccatctcta ctaaaaatac aaaattagct 720
 ggggtgtggtg gcgcaactna cgtggcttcc anctacttgg gangctga 768

<210> 1602

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1602

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ccctcagggt atggtagcac cagccactat taagaagccc aaaggacaga acctgaagct  180
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tttggtgtat acagcattct actaacagtc tttccaccct tccccctttt tccaggtttg  360
gacagtgcc aataggtatgt ctaggctttg tgacttttac gttttccctc ttgaaatgcc  420
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ccacctttca cagtatctac acagtctctt ctctggttag catcctgagg aagaacactg  660
ctctgagaag gccgccttnc tcattccagg gcggaatctg gtcactcatc cagcccagac  720
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<210> 1603

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1603

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ttcctggcgg tgatcaaggc cattgacccc agcctggtgg acatgaaaca ggccctggaa  180
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caccagatta ttgaccaggt cctgcaaggg ggcccaggta agaccagcga catcagtga 660
ccatctncag aatcctncat tttatcatcc agaaaggaga acgggaggtc caactctttg 720
ncgatcaaga aacagttcac tttgaggctt acacctacaa ggatcctttc tgcagtaaga 780
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<210> 1604

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1604

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tctgaatggt tgagtactgg tgaaattcat atgttgaaac aatcaccaat atgatagtat 360
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tctgtgccct tataaaatag gcttaaggga ggctgttggc tttccacca aatgaggact. 480
cacagaaggt gccatctata aggaataggc cctcaccaga cactggatct gccagtacct 540
tgatcttggga ctcccagcc tncaaactgt gagaaataaa tttatattgg ttataaatta 600
ccaaatctaa gatatttttg tatagcagcc tgaatggacc aagacaggtt ctctacctct 660

gtccccaat gacccttnca attttatttc tcaagagttt ttggttctca ctncagtctt 720
tacttaagct accaccacat aatcccatgc tatattttta tatctaaaga ccgcangtac 780
caaaaatcct ntactcaagg g 801

<210> 1605

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1605

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gggccctggc ggtggacgag caggaagctg cggctgagtc gttgagcaac ttgcatctta 180
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tcagaagcaa ccttgttgat aacacaaacc aagtgggaagt cctgcagcgg gatccaaact 360
cccctctgta ctcggtgaag tcttttgaag agcttcggct gaaaccacag cttctncaag 420
gagtctatgc catgggtttc aatcgtccat ccaagataca agagaacgca ttgccactga 480
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tatgtctctc cccaacgtat gagctcgcct tnaaacagga aaagtgattg aacaaatggg 660
caaattttac cctgaactgg aagctagctt atgctggtcg aggcaataaa ttgggaaaga 720
ggccngaaan atcantgagc cagattggca 750

<210> 1606

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1606

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tagttaatgg tctccaatgc cattttggcc ttttagaaaa gtgtgtttgt gtgtgtatgt 180
gtatttgcaa tttgacacat cttttttctg acatacctgt tttcaacaag tattttttaga 240
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tagaaatctt tccttcaact gagaaaattg taaaaattaa gcttctcaat ggaaaagaaa 360
ggtaatttta agctcctctc cttcaaaaaa gttcttactt gctaatagtg tgtatcaggg 420
aagggtcaaa tccattaaaa ctctcccaag tggaacaagt gacctgaatt acttgnttgc 480
ttaagtcaaa caggaaagtt cttcttcctt tgaactgaaa taattccagg aaatgcanta 540
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cctacagtct tcacagctcc caagctntgg cagtacctgt tacgtacagt ttatgtgctt 660
gataatattc agggtgntaa atcattcacg tctatacctt gatggcttct acaaactggc 720
gttttttaat ttttatgntg gaaactttac ttttaacatn gccctg 767

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<210> 1607

<211> 730

<212> DNA

<213> Homo sapiens

<400> 1607

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agcccagagc ccaagatgga gcccagctg gggcctgagg ctgccgccct ccgccctggc 120
tggctggccc tgctgctgtg ggtctcagcc ctgagctgtt ctttctcctt gccagcttct 180
tccctttctt ctctggtgcc ccaagtcaga accagctaca attttgaag gactttcctc 240
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ccaaagacct gcagcattga gcgtgtcctg cggaaaacag agaggttcca gaaatggctg 540
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 aagttcctgt gtatgctgag ataacaccag tgaaaaacct ggcatggagc ccagcactga 660
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 aatcattnaa 730

<210> 1608

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1608

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 tttaaagata atgacatggg gaaatgctta ctatctatga aaaaagtaaa atatgaaact 180
 gcatatattg tctcagtcct atatgttttg agctatttta aatagtgttg ctttgaacat 240
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 tcaattatca gaagaaaaac attttatttt tctaataaca ttccaaacaa ttatgatgac 660
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<210> 1609

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1609

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gaggagggca agatgttggc ccattttgag cgctggagtc atcgttatga tgagtggatt  180
tactgggata gcaatagatt gcgacccctt gagagaccag cactaagaaa agaagggcta  240
aaagatgagg aagatttctt tgatttttaa gctggagaag aagttctggc tcgttggaca  300
gactgtcgtc attaccctgc caagattgaa gcaattaaca aagaaggaac atttacagtt  360
cagttttatg atggagtaat tcgttgttta aaaagaatgc acattaaagc catgcccagag  420
gatgctaagg ggcaggattg gatagcttta gtcaaagcag ctgctgcagc tgcagccaag  480
aacaaaacag ggagtaaacc tcgaaccagc gctaacagca ataaagataa ggataaagat  540
gagagaaagt ggtttaaagt accttcaaag aaggaggaaa cttcaacttg tatagccaca  600
ccagacgtag agaagaagga agatctgcct acatctagtg aaacatttgg acttcatgta  660
nagaacgttn caaagatggn cttttcacag ccagagagcc catt                               704

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<210> 1610

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1610

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aatcaacaaa atagatagac caccagcaag actaacaag aagaaaaaag aagattcaaa  180
taaacacaat aagaaatgat aagggggata ccatcactga tcccacacaa atacaaacaa  240
ccattagaga atactataaa cacctctatg caaataaact ggaaaatcta gaaggaatgg  300
ataaatcctt agataaatac acacttcaa gactgaatca ggaagaagtt gaatccctga  360
atagagcaat aacaagttct aaaattgaag cagtaataaa taccctacca atcaaaaaaa  420
gtccaagtcc agatggattt acagctgaat ttaccagag gtacaaagag aagctgggtc  480

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catttattcc gacactatTTT caaacaactg aaaaggagga acttctccct aactcatgct 540
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 acattccaat agcaccaacc aaaaggattt atcccgnccg gcccgggcgc cggTgggctt 720
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 cg 782

<210> 1611

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1611

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 ggtccgccag gctccaggga aggggctgga atgggtctca agtattagta gtagaagtga 300
 ttacntatac tataganact cagngaa 327

<210> 1612

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1612

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 caagtatctg tatcactctg ggattgtcac tggtgcctta tttagtttat ttggtgaggt 180

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 cactggatca gacctaaagc cagggaaca ctgggtcttg cctaaagccc acagtgacca 660
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<210> 1613

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1613

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<210> 1614

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1614

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ctacaaccat ctgatctttg acaaacctgg caaaaacaat aactgggaaa aggattccct  180
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cagagccctc agaaataaca ccaacacact acaaccatct gatctttgac aaacctggca  300
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ggtgctggga aaactggcta gccatatgta atagacccat ggacagacag agccctnaga  840
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<210> 1615

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1615

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 gagggcaggc gaggcgggaa ggtgggctct ggccgccggg agccggggac ggagccgccg 180
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 ctccacgacc ccccgagga ctgccgcagc gacggcggca gcagcagcgg cagcggcagc 420
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 cttcgacctg aaaaggcacg ttcgacacac acaggcattc gtccctacaa atgcaacgtt 780
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<210> 1616

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1616

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<210> 1617

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1617

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<210> 1618

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1618

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gctctgagag cccttccana gagcancctc cgagggttc agaacccttc gaaaagccct   660
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<210> 1619

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1619

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<210> 1620

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1620

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gccttagcct ccaaagtgct gggactacag gtgtgagcca ccacgccag cctgnttgcg 720
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<210> 1621

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1621

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 gctggtgtat ttaaaactcc gggctctctgc atgacctaaag tggctacttt gccgggactc 780
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<210> 1622

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1622

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atgttctcat ccatcttctg nctctggtct catccagtag tgaaataaga gagttggcca 720
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<210> 1623

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1623

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gttgcccaga ctggagtgca gtagtgcaat aatagctcac tgcagacttg acctcctggg 180
ctcaagcaat cgtcccatct tagccccag agtagctggg actatagact tacaccacca 240
cacactgtta atttaaaaaa atttttttgg tagagatgag atctcactac attgcccagg 300
ctggtcttga actccttgtc ttaagtgatc cttccacctc ggccctccaa agtgctggga 360

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ttacaggtgc gagccactgc ctggccagct gaatgttttt acatgtttta tatttcttat 420
ctgaaatgct tgggaccaga agtgtnnngg atttcanact tt 462

<210> 1624

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1624

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<210> 1625

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1625

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tgcagtcaga	aggggtgggtc	tgggctggac	ttcaaccctt	ttcttgtcgg	aagccaatgc	720
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<210> 1626

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1626

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ggcaggtgga	tcgcctgagg	tcaggagttt	gagaccagcc	tggccaacat	ggtgaagctc	420
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ctactcagga ggggtgaggca ggagatttgc ttgaacctgg gaggtggagg ttgcagcgag 540
ccaagatcat gccactgcac tgcagcccgg gcgacagaga gactcaaaaa aaaaaaaaaa 600
gtcgttttgg gaaccagtca ccgnttcttt ttgatagccc ctggttttgn taggggaagc 660
aaggggttca ncaaaatgaa tatacttcct ggctt 695

<210> 1627

<211> 661

<212> DNA

<213> Homo sapiens

<400> 1627

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<210> 1628

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1628

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<210> 1629

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1629

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<210> 1630

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1630

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<210> 1631

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1631

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<210> 1632

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1632

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<210> 1633

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1633

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<210> 1634

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1634

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cactggcctt cccaacccaa aggcttgcac tggaagcctt cacctgcca aagacaactg 720
gcctgaaaat ggggggaagg gaaggngggn aaggt 755

<210> 1635

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1635

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 aatagcccaa atttctcctc ttaggtcatt ccttaacctc tcagagaacc agtttcccca 180
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<210> 1636

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1636

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<210> 1637

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1637

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 tagaaggaaa acagaggaag aaggctctgag tagtcccagg gacgccagag gccaagatgg 180
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 gaaggaggag gataagttca ngtagcctga nggactaggg aagcccagat gggaagacca 780
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<210> 1638

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1638

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ggcaggagga ttgcctgggc ccaggagttt gagaccaatc tgggcaacat agggacaccc    180
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<210> 1639

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1639

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 caaaacctcg tcattaaaga caaatattatc agaagatggg tgcacaaaga aggctttagt 720
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<210> 1640

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1640

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 aatgagagcc tacagttgaa agcacacttg gatgaggctc ggaccctgct tcatggcacc 600

agaggaaccc accagcacca gggtgagctt attgagcgag atgaggtag tcttcataag 660
aagctganga ctgaagtaat tcancingaa gatacattgg ccca 704

<210> 1641

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1641

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gaacttcatt aagtaaattt agcttcataa acatcataaa aagatcaatg aatactacca 180
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<210> 1642

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1642

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<210> 1643

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1643

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ttccagcgac tggggaggct gaggtgggag gatcccttga gcccaggagg tcaaggctgc 480
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<210> 1644

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1644

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<210> 1645

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1645

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<210> 1646

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1646

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<210> 1647

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1647

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<210> 1648

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1648

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<210> 1649

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1649

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 tcttagtaag aaggtaatta ttccaggcac cagtttcac tctactggaa agggaaagaa 780
 acagattcac cttttccctt tggcctttcc ntcccttcc catnccctaa gtttantgag 840
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<210> 1650

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1650

tgtttgcctt tgaagatcct tcaaacccaa tgtctcaatt cacctggact gttttacccc 60
 aagggttcag ggacagcccc catctatttg gccaggcatt agcccaagac ttgagccagt 120
 tctcacacct ggacactctt gtccttcagt acatggatga tttactttta gctgcccttt 180
 cagaaacctt gtgccatcaa gccaccaag cgctcttaaa tttccttgcc acctgtggct 240
 accaggtttc caaaccaaac gctcagctct gctcacagca ggctaaatac ttagggctaa 300
 aattatccta aggcaccagg gccctcagtg aggaatgtac ccagcccaca ctggcttatt 360
 ctcatcccaa accctaaagc aactaagagg attccttagc ataacaggct tctgccaaat 420
 atggattccc aggtatgggtg aaatagccag gccattatat acactaatta aggaaactca 480
 gaaagcaata cccatttagt aagggtgaaa cctgaagcgg aagcagcttt ccaggcccta 540
 aagaaggccc taaccaagc cccagtgtta agcttgccaa cggggcaaga cticgtatat 600
 atcacagaaa aaacagggat agctctagga gtccttacac atgtctgaga gacgagcttg 660
 cacctgtggc atacctgagt aagaaaactg atgtantggg cnaaaggntg gcctcattgg 720
 ttatgggtaa tggcagcaat agcag 745

<210> 1651

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1651

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gatttggcca gcaagctgaa gtttgccagc ccccgagcta tagtgatagt atccaccttt   60
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gtggcaggct gatgaatcct ttccaccctt ccacataatt gtgtctcttg caggattcca  180
ggaaggctat ccttaccctt atccccatac cctgtactta ctggacaaag ccaatttacg  240
accacaccgc cttcaaccag atcagctgcg ggccaagatg atcctgtttg cttttggcag  300
tgccctggct caggcccggc tcctctatgg ggtatgtagg tggagaagac cactgagttg  360
ctttacgtgg tgttggcttc ctcccttaag gttactgctc agaggaagaa aagggatata  420
ggggaactga tttcttgact gaggagtttt agggaggagt acttcagccc accctgtgga  480
gatgagccaa catcactagg gggtgactgc ctgtgcttca cctaagtagc tcacttgatc  540
acagtagccc acatgttttt actgaagtcc ccactttcta agctatgcca tagaattaca  600
gggaggccat gcagcttata agcattacac agcactaagt ggtggagata ggactgcagc  660
taggtctgcc ccactctgaa gtcttcagtt gnttgtgctg cagcatgctg cctctggctt  720
tgngtggcag aagtggagca cangcaggag gaagtggagc aataga                      766

```

<210> 1652

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1652

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agcccggtaa gccctcctcc tcttcccctg cagcctcagg gctggagcca cagctgggag   60
ggctcccaga tcctgaccat atcctcccag aggctgagcc aggcctgggc actgtcccct  120

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caaatgtgag aatactgggc agggggaggg gagaaaggag ggaatggagg gctgagcctg 180
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 atccttgat gggcttttct ctgcctgctt gtggggtgcc tagggcgagt gggcttttgg 420
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 aggcattggg gcatgattcc acctcgctag ccacatgtg ttcttcacgg agggctgctg 540
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 ggagggattg cgatgttgc ctctcagttc ccggggctga tgtggaagct caaggcttgc 660
 cctggattct tcanggtagc cctgccatcc ctagttagtc antgagttgg gaagtttggg 720
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<210> 1653

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1653

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 gtgtctggtg tccttagact ttgatatgca ggccaaagtc caagggatat gcaaacataa 240
 cacacacctg tacttccata aaaaccagca gaattgtaga tcagctcatt ttactgaaat 300
 tttaaaccct gtaaaaaaaaa aaatactatg cttgaagaaa gaaatcctgg tgcatataaa 360
 aactacaatg agtaacagta atacaggtaa gaatcaagca ggccttgagc aaaacagtcc 420
 attattactg tgtaaaactat gttgctatga tacttatttt gagcctttat gcaccagcac 480
 atacatagta agacacacaa gatagttcaa caaaatctaa gtaatatata aacactgtaa 540
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 aaagatgatt atcatttcgt gtcctttcca agtagaacta tctgataacc ttttctgntt 660

gtatcagaag agatttcaac tcaacatgaa aattctacta cttggaatta tttgaaaaat 720
 caagtatttg aaggaaaaaa ttatttttca tctaaagaag cattacattt ccttttgcta 780
 gaaacgattg acaatgatgg aatttttcct gacatataat taaatatgga cctnttcaag 840
 tggatngcaa ctgnatccca acc 863

<210> 1654

<211> 918

<212> DNA

<213> Homo sapiens

<400> 1654

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 ctattgatcc aacttcccaa atgctttgtc tacattgctg gtatctggct cggaggaagc 180
 cctgtgggaa aggctgtgag tgtgttgccc caggttccac aggacactta gagtttgggg 240
 gacacctgcc gtcaacgcac tgcaacaatc tttagggatg ttaattgttc ctcaggaggc 300
 atacgtagga atcacatcca ccttaaacad gcccacttat ggcatttggg ctcacacagc 360
 caaacagctg ccattgtctg aagtaacgca tgggctgttg ggctcctacg gtgtgacaga 420
 catacttctc tgcatcatcc atgtaccagc ctgttttctt ctcactgcag cccaatcagc 480
 taattatcat catttccatc tttcaaaaac aaatgcttaa agatgccatt atttacccca 540
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 ccttctcttg ttggagatga agcctcttca gagtggaagg cagtgtacct agcttggatc 720
 aggatgcctg gactttgctt cctgcttctt ccagataccg ggtctatgac ttgnatcaag 780
 gtcacttttt aacccttctt gagccttact tttccgcatt cttngnaaat gggncatcat 840
 taatggcttg gcctttacct tcttgcctta agcttggctt tgaggaggaa aattggaaat 900
 gatggcctnt tgaaactt 918

<210> 1655

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1655

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gcaaagctaa tagctttaaa caaaaacaaa agcaatacaa agaaaccaga tcaaaacata   60
taccacaaga agaattatac aagaaaaataa tatctatattt ccatactagc aaataaataag  120
aagacattgt ggcctcctta aaataaaagg tcaaggccag gtacggtgtg gctcacacct  180
gtaatctcag cagtttggga ggctgcggcg ggtggatcag ctgaggtcgg gagtttgaga  240
ccagcctggc cagcatgggt aaacccccctc tctactaaaa atacaaaaat tagccgggca  300
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gctgggaggt ggaggttgca gtgagccgag attgtaccac tgcactccag ctagggcaac  420
agagcaagac tctgtctcaa aaaataaaat aaataaaata aaataaaata aaatgaaagt  480
tcaaaaacta gataacagga ttgaataagt gataagacaa ataaggagaa ataaaattgt  540
ctgtgagaga acaagaagga agtagaagaa gaaaataaaa ctctaattggg accaaaaacc  600
atataggaag caaaaagctg ggagaggaag gagaagaact tctactgata ttaccacaat  660
tgtgaattag aaaaatcaag cnatnaaaa tttaaaaaaa ccag                          704

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<210> 1656

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1656

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agaagcaaaa gagcagagct accatgtcct cttggagcag acagcgacca aaaagcccag   60
ggggcattca accccatgtt tctagaactc tgttcctgct gctgctgttg gcagcctcag  120
cctgggggggt caccctgagc cccaaagact gccaggtgtt ccgctcagac catggcagct  180
ccatctcctg tcaaccacct gccgaaatcc ccggctacct gccagccgac accgtgcacc  240
tggccgtgga attcttcaac ctgaccacc tgccagccaa cctcctccag ggcgctcta  300

```

agctccaaga attgcacctc tccagcaatg ggctggaaag cctctcgccc gaattcctgc 360
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 cgggcctctt ccaggcctca gccaccctgg acaccctggt attgaaagaa aaccagctgg 480
 aggtcctgga ggtctcgtgg ctacacggcc tgaaagctct ggggcatctg gacctgtctg 540
 ggaaccgcct ncggaaactg cccccgggc tgctggccaa cttcaccctc ctgcgcaccc 600
 ttgaccttg ggagaaccag ttggagacct tgcacctgac tncctgagggg tccgntgcaa 660
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<210> 1657

<211> 605

<212> DNA

<213> Homo sapiens

<400> 1657

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 tccggaagcc tccagcacct gcagctcata gacagctctc gccaccttc tcccaggacc 120
 aagccagtcc tgtccagtcc agtgtctgag cagagtcaga atccacacca cccgccgcct 180
 gggctcagaa agttctgctt taagtcatta tttctccact gtacgatggg gaatgcggtg 240
 tgtgggggcc atttaccac caacacagca gctgtgaggc acacacggct attgaaaatt 300
 catggaaatt gctgggtgtg gtggctcatg cctgtaatcc cagcactttg ggaggccgag 360
 gcaggaggat tgcttgagtg caggagtcc agaccagcct gggcaacata gcgaaaccac 420
 atctctacaa aaaaatcctc caaaattaaa aaaattagcc cgagcatgtt gttgcatgcc 480
 tgtggttcca gctactcaag tgatccttct gccttgggtt tccgagtagc tgcaattaca 540
 ggtgcacacc accacacctg gctaattntt atatTTTTTg tanagacngg gctgggatta 600
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<210> 1658

<211> 626

<212> DNA

<213> Homo sapiens

<400> 1658

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gggtgcattt tgtaacagtc ctgttcatta tgactgttac tccttcattg ctatctaaag   60
agcgtgtagg taggtaaggt catatggatt gggcagaagt ggcagtagga gtgggcagta  120
aggatagaag gaacgtatct cagtgagtgt gcaagttaag tacttggcat aatgtaatag  180
tgcctttcat atcctaaggt caaactgtgg gtatctttaa actgtctaga ccacacgtgc  240
atacaaatcc tcccctgggg atctcctgaa atgcacattc tgatttggga gctcaggagg  300
ggggtctgag agactgcatt tctaaccagc tctcagggtc acttgagta gcaagcacct  360
ccaaaactgc tggaacctgg aacaactgca gggagacctg atctgcccat tagaccacat  420
ctccctgagg gtctgggatg catgtgtctt tgtgcctcct gtaccaagag cagtgcctgc  480
taggaagtgg atgctcaaaa tgatcttttc aactgaactg aagaggctgc tgtcccagag  540
tccgtttacg ttagtggcct tgggaccgca ggggtgtggc gaccagtc tagcctgtac  600
acttattcgg nccancttgg ntatcg                                         626

```

<210> 1659

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1659

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agaagggcgc ggagcaccgg agggcacgca gctgacggag ctgcgctgcg ttgcctcgt   60
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gcagaggagt cgctaccagc gccagtgcg ctctgtcagt ccgcaaactc cttgccgccc  180
gccccgggct gggcaccaaa taccaggcta ccatgggtcta caagactctc ttcgctcttt  240
gcatcttaac tgcaggatgg agggtagaga gtctgcctac atcagctcct ttgtctgttt  300
ctcttcgcac aaacattgta ccaccacca ccatctggac tagctctcca caaaacactg  360
atgcagacac tgcctcccca tccaacggca ctcaacaaca ctcggtgctc ccagttacag  420
catcagcccc aacatctctg ctccctaaga acattcccat agagtccaga gaagaggaga  480

```

tcaccagccc aggttcgaat tgggaaggca caaacacaga cccctcacct tctgggttct 540
 cgtcaacaag cggtaggagtc cacttaacaa ccacgttgga ggaacacagc tcgggcactc 600
 ctgaagcagg cgtggcagct acactgtcgc agtccgctgc tgagccttcc acactcatct 660
 tccctcaagc ttcagcctca taccctcatc ctatcaacct taccacctga ggtcttttct 720
 ggcttcgnta ctaccaacca tagcttcact gtgacagacc caaccactg ggagcttcaa 780
 ctgnaccaga gtncccgaca gaggagt 807

<210> 1660

<211> 775

<212> DNA

<213> Homo sapiens

<400> 1660

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 gccaaaggcag gtggatcacc tgaggtcagg agttcgagac cagcctggct aacatgggtga 180
 atgggtgaaac cccatctact aaaaatacaa aaattagcca ggcgtgggtgg tgtgtgcctg 240
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 tgcagtgagc tgaggcaggc tgcaccattg cactccagcc tggacaaaaa gagcgaaact 360
 ccatctcaaa aaaacaaaca aaaaaagat tgtgcagtgt agttgtaaga ttggggagac 420
 caaactgtta aagcgattat tgactgggga actggagatg gttgacatac tttgtcctca 480
 ccaagccctt ttcagttcct tattcacaat gagccactag tgggtgtact tggttctagt 540
 gggtatatgt ggttttattc aactatgtta gggtagataa aggtttacat tattgccgat 600
 tgtattcata tgaccattta ctattccgag tcactacatg cagctaagct tacagttgct 660
 gagtataaag cactgccttg aagccctata gatggcgtaa gttctgactt ctttttacca 720
 tgtaagatgc atcacgtgtg cttgtgctna nangaactaa aggaccagc cattt 775

<210> 1661

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1661

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caatgttagt atgtatgtaa acatgatagt acagccattt ttttcatatg tgagtaaaaa 60
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tttttccaaa aatctaaaca taattaatat actctttcag ccacatgaat aaataatgag 180
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aagaaacctg agattgcagt cagccaagat tgtgccactg caccacagcc tgggcaacag 300
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tgctgctttt tctttctttc tttttttttt aagagacgga gtcttgctgt gttgcccant 720
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<210> 1662

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1662

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gtaatgattt ttttctattt tcttttttct atttctataa tgactttttt ctatttcttt 60
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aagaatgaaa aaattatatt agaaattgta cgattaggcc gcgcacagtg gctcacatct 180
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gcacatactt gtgattccag ctacctggga ggctgaggca ggagaatcac ctgagcccag 360
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 aagaccctgt ctcaaaaaga aaaagaaaat gaaattgtat gattatcttt aggtttttgg 480
 gtacaaatgt agatcctcaa aaactttatc agaaatttgg aaatctgtaa ataagttata 540
 tgtatctcct tttaaaatcc aatattagta agctatatgt ataaaaacaa agctagtgt 600
 tcttgaaaag tttttatttc tttattcctt atccctcctt atcccactga actattgaag 660
 aacttcttat agatttacct tcccattagt gctgtagtac agttttcttt tatctccatt 720
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 gaatagaact ttcatagtat aa 802

<210> 1663

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1663

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 tccttgccat gagccaccac agaaaggcat atactcaacc tttatttata cgtacaaaaa 180
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 ctggttntct gttctgcat ctgatctaga gtcgcctggc actgccagtg ttccgcttag 660
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<210> 1664

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1664

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ccttctcctc ctctggtgtc aaactccaga gtttactttt ggaattaagg tttattttcc   180
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cacagtggct cacctgtaat cccagcattt tgggagggtg aggcgggcag atcacctgaa   360
gtcaggagtt caagcccagc ctggccaaca tagtgtctct actaaaaata ttaaaaaaaa   420
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caggagaagc acttgaatcc aggaggcgga gggtgcagtg agccaagatt gcaccattgc   540
actccagcct gggcaacaga gtgagactcc gtcccccaaa aaatgaaatg tcaatttcat   600
tgagactgta tgaatgcctg acatgcactt gaaagtgatg tttattttat aatttttagcc   660
cttcttact accccaaact tccagtgcac ttaaaaaatt tattggccta accattctca   720
tggggtaata tatcatgacc atcaaaagat gacnctaaag ngaatcctnc atgtatagct   780
gggctttctg                                     790

```

<210> 1665

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1665

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tataggtttt gagtagaaac tattaccctc acacctggaa agagtaagtt agatctactc   60

```

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aagtctgaag gatgatacag aactgacggt aaacctctct gaaccatgtt taactgccta 180
aggctagaca cgcagtgata tcagaattaa tattgttttc tttcaaatga aggattctga 240
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acagcgattc ctccaccccc attagcaaatt accgtaatat atgtctctag taatcatcct 480
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gccttgtaaa gccctgtttt ccgtgtcttc ataaaccttg tcaggcattt atttattcag 660
cacatatcta ctggtctctg ccaagaattc ataanggatc tgatgaatta tgtcccttct 720
gggtggaatt atttccttnt acatttntgc aaaacc 756

<210> 1666

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1666

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<210> 1667

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1667

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<210> 1668

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1668

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tgtctatccc ttcaccagta ccacactgtc ttgattattg tagctatata taataagtct 180
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<210> 1669

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1669

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<210> 1670

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1670

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<210> 1671

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1671

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tatagattta atttagcatt ttctcaagta ctgggctttt tttctggcag aatttttcaa	180
atagccaaaa cataattttc cctctgaata ttaaaaaaca ccaacaaaaa agatttttgc	240
acgacaaata atttttacac atgcaaaaaa gtaattttca aaagtaagca cttctgccag	300
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aaattgtcgt gcttagggat gtagtctcaa agagtggaaa ttcagacatt agtagaaatt	660
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<210> 1672

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1672

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tccaataaat aattttacag tgaagggggc ttgatcaaaa ctggcagtga cacctggccc	180
ctgacaagcc tgagtcacag gtccctgtgc aggtcccagc gtccagtcct ccaagaacca	240
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<210> 1673

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1673

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<210> 1674

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1674

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<210> 1675

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1675

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aattca

546

<210> 1676

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1676

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<210> 1677

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1677

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<210> 1678

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1678

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cgncctggggg cttgcgggga agaagaggag gacaaggctc tgacctgtta cttggtttca 720
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<210> 1679

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1679

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<210> 1680

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1680

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<210> 1681

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1681

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<210> 1682

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1682

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<210> 1683

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1683

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<210> 1684

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1684

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 ctgagagcat cccaagagtc aacagacatt caccttcagc ccttaaagac acagctgaaa 660
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756

<210> 1685

<211> 648

<212> DNA

<213> Homo sapiens

<400> 1685

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<210> 1686

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1686

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tctttttctg gagtttccat cttctcattt tgtcttctcc ttttggtatc aagtgctaag 180

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<210> 1687

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1687

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 gggggacagt gatgacagtt gtgacacagt gatcctgtct ccgactgccc gggccgtccg 180
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cccaaagaat ggtgttnggt atgtnggggtg gtcccacttc gcttttggtc aatgggcttn 720
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<210> 1688

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1688

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<210> 1689

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1689

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ctgattgagg ccaaagagca agcgatgttg ggagcttagg aaagagggtt ctggtcgagg 180
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cctccagccc cacacttctc tctcgtgggc tgnctgttcc ctgctgggcc gccactgcct 780
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<210> 1690

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1690

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gtggttcaga gattttgtcc agaggagag acagtgtata agaataagagc tctgaagctc 240
tctcaagaag aatggaattt atttgaaaca gtgtcagaaa ctcccttaa ttaaaaacaa 300
catgaaccgt aagtcagcta gttaatcagg taattccagg ggaagacaca gctaaggagc 360

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<210> 1691

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1691

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<210> 1692

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1692

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<210> 1693

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1693

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<210> 1694

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1694

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<210> 1695

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1695

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<210> 1696

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1696

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851

<210> 1697

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1697

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<210> 1698

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1698

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<210> 1699

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1699

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 aagctcttca gtaaaagtgg tgggtgtacta agctatatatt aagaaggtaa tttgagattt 180
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 cttactgggt ttggtatatt gngaaaaata atataataga gcaggcagtt anatcatatc 780
 agnttcaaat ttaag 795

<210> 1700

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1700

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<210> 1701

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1701

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<210> 1702

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1702

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gcaacatgaa tggaaataga gtcattatgt taaagtgaaa taattcaggc ncacaaaggc 780
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<210> 1703

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1703

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<210> 1704

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1704

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<210> 1705

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1705

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<210> 1706

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1706

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<210> 1707

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1707

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ctctgagacc acgtttgaca ttgttgtatt cacataataa ccatctgttt acctaagcta  180
ctttgagtga attctattcc tgtaaccaa aaaagtcttc atgagaacac cccattttac  240
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<210> 1708

<211> 635

<212> DNA

<213> Homo sapiens

<400> 1708

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<210> 1709

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1709

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ttatattagt agtataatac tggttttgac tagngttaaa atgacatatac tttctntacc 840
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<210> 1710

<211> 775

<212> DNA

<213> Homo sapiens

<400> 1710

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<210> 1711

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1711

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<210> 1712

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1712

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<210> 1713

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1713

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<210> 1714

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1714

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<210> 1715

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1715

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<210> 1716

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1716

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<210> 1717

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1717

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<210> 1718

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1718

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<210> 1719

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1719

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<210> 1720

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1720

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<210> 1721

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1721

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<210> 1722

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1722

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<210> 1723

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1723

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<210> 1724

<211> 486

<212> DNA

<213> Homo sapiens

<400> 1724

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<210> 1725

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1725

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<210> 1726

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1726

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<210> 1727

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1727

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<210> 1728

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1728

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<210> 1729

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1729

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<210> 1730

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1730

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<210> 1731

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1731

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<210> 1732

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1732

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n

781

<210> 1733

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1733

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ctattgcttg agacagtaaa ataattactg ntcntagct acatccttac attttcctgg 720
tctgaaatga aatcattttc ttatgttaaa aataaagtta attactggtt caacttccca 780
aggggatatt taacttgga nctttttaca aacccttttt tttttaaacn gggggaactn 840
ttttta
846

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<210> 1734

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1734

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attttacatg taggctccag acagcaaaca tgtcaacaca ctgacctctc tgctccaggt 180
gactgtttgc tacactgggg attgcacaag tcagagactt caatgcaact ggctttgtga 240
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ggtgcctgta atccanctc ttgggaagct 690

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<210> 1735

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1735

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ggtaggactg cggacgtatt tgttttcttc aagcatttgg tcgagattaa gaattaaaaa 60
tgtcatccaa acaagaaata atgagtgacc agcggtttag acgggttgca aaggacccga 120
gattttggga aatgccagaa aaggatcgaa aagtcaaaat tgacaagaga tttcgagcca 180
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gccatagcac tacagaggat ttgaagcgtt tttacgacct ttcagattct gattccaatc 300
tctctggtga agatagcaaa gcattgagtc aaaagaaaaa aaagaagaaa aaaaccgaga 360
ctaaaaaaga aatcgattca aaaaatctag ttgagaaaaa gaaagaaacc aagaaggcta 420
atcacaaggg ttctgaaaat aaaactgatt tagataattc tataggaatt aaaaaaatga 480
aaacctcatg taaatttaag atagattcaa acataagtcg gaagaaggat agcaaagaat 540

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ttacacaaaa aaataagaaa gagaaaaaaa acattgttca acatactaca gactcttctc 600
 tcgaagaaaa acaaaggaca ttagactcag gcacctctga aattgtgaaa actcccagaa 660
 tcgagtggtc taagacnaga agagaaatgc catcaggggt cactcataat ggcccagac 720
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<210> 1736

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1736

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 attatcatga aaacctaaca atgtagaaag actaaagcac atgggtgggtg cttcataaat 180
 agtattttctc ccactttctg aaaactcctg ctgaagtaac tgcacaagaa tccttgaaca 240
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 tgctggcact aggtatttta cacattaaat cagctcggtc tcacatcagc tcttttaaaa 420
 ataaggaaat gaggagccac agtggcccaa ctgatgcagt ggcagaagta gaatttgagc 480
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 aagtgtgac tatgtgccag gtcccgtgcc gtgcaatttt tgtgaattat ctggtgtcta 720
 cagtgcctac aatttctctg gtcaatacct tcatgttact ggcgaggaaa gggaactcan 780
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<210> 1737

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1737

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ttcggacctc aaggttcccc ttaacacaga gcgccccgca gtcttcgcgg aaagcggttcg   60
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gagtacggac cggtgccgga gagccacgca tgcgcactgg tgagagtctg cccggccggc   180
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atcgcgccct gtaggacgct cccttgagcc ttggcgggtg cagcctttta gtctgttccg   360
gtcttcccca ctggttctct tgccccttga tcctgaactc ctcgtagtgt ttccgcgggt   420
ttcctgaact cctctagacg ctctcgatgat tcctcagggt cccctcagaa cctgacgcca   480
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gtgatcccat aggacccctc aatactcgtg gggttcatgt gacctcatcg gaactcttan   720
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```

<210> 1738

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1738

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tctactgtgt tacactcagc tgctttcacc tggaaaagca gaggaatcag gctgtctcct   60
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ggatcgcaag catgggtaca tttgtcggca gcatttggaa gtatttttcg tcatcaggat   180
ggcagtcaat ttgcaattca gtcactctcag tgcaaggtag tttggcaaaa agattatgac   240
acttaatgga tttttttcct cttttaaatc tgtttaccca gcattttgta gtataatgca   300
atgtaataac attgcattat tttagacata gtttagaagc caagaagatg ctttcaaaca   360

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gctgacataa ttcagttatg gcccagatgt cctgccttcc ccatcacaca ttcataataa 420
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 aattttggca gttgatgtct aatgttgatt ttttttcttg atcgatttta attgttcact 540
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 tgctatgggtg aaagagacag aaggaatata gatataattt gtaagtgggtt atgccattgg 660
 gcttaatgct ttgcatacat tatctagttt gcatctnctg atgccttta agtttgctta 720
 cngtaaagca ttattccttg cttggcaatg cacagagaaa aattatttgc tgaaggaccc 780
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<210> 1739

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1739

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 atctaattaa attaaagagc ctctgcatag caaaagaaac aatcaacagt ataagcagac 180
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 aagtgtctca catcactaat cattagagaa atgcaaatca aaaccacaat gaaataccgt 420
 ctcacaccag tcagaatgac tacaattaaa aagtcaataa ataaggctgg gcatgggtggc 480
 tcatacctgt aatcccagca ctttgagagg tcaaggcagg tacatcacct gaggtcagga 540
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 acccgatgt ggtgggtggg gcctgtaatt ccagctactt gggaggctga ggcacaagaa 660
 tcgcttgaac ccaggagttg gaggttgctt gagatcacac cactgcactt cagcttgggc 720
 aacagagtga ggacttcgtc ttcaaaaaaa ataaattaaa aataacaaat ctacaaacct 780
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<210> 1740

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1740

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actaagtggg gatgagcatg agtaacaatt ggaaatctca tacattgctg gtagaaatac   60
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tgacatagca atcctatfff taggtattta tccaagagaa atgaaagcat atccatacaa  180
acacccgaat gtgaatgctc atagtagcct aattcaaagt agccctaaac tagaaacaat  240
ccaaaagtct aacaactggg gcatggataa acaaattgtg gcccatccac ataatggaaa  300
gctacccagc aatggaaagg aacaacaag tgatacatgc aacaacatgg atgaatctca  360
aaagcactgt ggtcagttga aaaaaaaaaa aggcaaacac aaaggagtac ataccatatt  420
attccactta tatgacattc tagaaaaggc aaaactatag ggacaggaaa catcaatggg  480
tgccaggggac tgtgggtgag gagaggagac ttgactataa aggaacatga ggaaatffff  540
cagggtgaca gaaatgttct gtatcttgat atgggtgggtg aaaagtgagg tataatffat  600
atacagtaaa atgcacaagt cttaaatgta caactcaatt aatffffacg tatgtataca  660
ccatgaaacc ttcacccact tcaacataca gaccatttcc ttcaccctgg aaggaccctt  720
gcaccttatt gaatcaatac ctagtcctnc ggangtaacc attattctga tttctacccc  780
atagattagt ttgcttgatt tgatgtcata tgaatggaat catntctt                828

```

<210> 1741

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1741

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 cagtccctcc atncttccaa ctctaangac ttcgtcttca ttctctttag ggtacctttg 720
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<210> 1742

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1742

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 cgtattcttg aaaaggcaaa gctgtggaga cagtcaaaag atcaggagtt gccagggggt 180
 tgttgtcagt gggttgcaaa ggcaaggatg aataaggaga acacagggga ttttatgtga 240
 taagtatcat acctaaaaat cccctgtgtt catatcatgt ataaataaat gtacatagac 300
 atatacat atatatatat aaatcatgtg tatgcaatga catgtatcta tcctgtcatt 360
 ctgtattggc caaaatatca aaatccacag aatgtacaac acaaagagtg aactctaatt 420
 taaactgtgg actttagtta atactaatgt gtcaatattg gcttatcagt tctaacaaat 480
 gtaccacact aatgcaatag taggaaaaac tgtccaatct aaacactggg caaaggattt 540
 taaaagatat ttcacaaagg aagatatgaa aatggcaaat cagcatgtga aaagatgggt 600

aatatctttt tttttttttt tttgagtctc tctgttgcct aggctggagt gcaatggcat 660
gattgccgcc cgctgcgacc tctgcctctc aaggnttncg gcatntcgtg cct 713

<210> 1743

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1743

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aggggattgc cccggaagag ggaggcgtgg acgcgaagga cacgtctgcc acatcccagt 180
cagttaatgg atcaccccaa gcggaacaac cttcattgga atctacaagc aaagaagcct 240
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taggctcaga catccaagtc cacgtcactg cctgnattct ctctgggtgt gcttggcntg 780
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<210> 1744

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1744

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gggtagggac tgtcaggcag ggctatgaga tagaggccct gagagtatgg gatttttttg 60
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attatatgtc atgaaactgg cticcttctg catgacctct aaagtaacta ctcccagtgc 180
tgagtagaag gacactgtaa ataggacaaa gaaagtcttg atgtggtgtc ggaggctaata 240
gaggacagaa gaaaaagagg aaacattcac aattagtaaa agacttcttg cttatcattg 300
caagagaaat gtttgggggc caggcacagt ggctcacacc tgtaatccca gcactttggg 360
ggtccaggca ggcagatcac ttgagcccag gagttcaaga ccagcctgga caatatgggg 420
aaaccccatg tctataaaaa atacaaaaat tctcctggca tgttagcaca catctgtagt 480
cctagctact aaggaggctt angtaggagg atcacttgag cccagaggt cgaggcagca 540
gtgagccatg attgcaccac tgcaccccag cctgggcgat agagcaagac cctgtctatt 600
taaaaacaaa naanagaaaa aaaaaagttt aggttctcag ccacccctg agcttttangc 660
tca 663

```

<210> 1745

<211> 586

<212> DNA

<213> Homo sapiens

<400> 1745

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gcgtctcatt ctgtcaccca ggggtggaatg cagtgggtgca ctgatagctc cgtgcttgaa 120
gagccttgaa ttcttgggct ctagcaatcc tctcgccctca gcctcctggg tagctaggac 180
tgcaggcaca ggccaccatt cccagctaata ttaaaaaatt attttttttg tagacacagg 240
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cagcctccca aagtattggg attacctggc caataatgga attttagaac tggcaggaac 360
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gaggtatcta aaattcacia aacttggttag taacagaacg agtattagaa ccagctatct 480
aactcttagt ccagtgggtgt cctgtatcat acggtttctt agaaaataga tgtttccang 540

```

ccaggtccgg nggctcacgc ttgnaatctg agcacttgga gaggcc

586

<210> 1746

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1746

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tgcccctgct ctagagatct gtgaactctg aactcgagag ggtatctggc agaaaaaatt	180
tctaagcagc aaagtgttca agatgtggcc tgattgcttc taaaagccta tgctcatttg	240
catgaacaaa gtggaactta tatttaaaac agaagctgag cttttataaa agtttggaga	300
atttgcagcc caaccatgtg gtgaaaaaga aaaatccatt ttctggggag gaattcaagg	360
ctgcagaaat ttgcataaga agagcctcat gttaacagcc aagagagtga ggaaaatgcc	420
tctagagcat ttcagagacc ttcacagcag ctctctccat cacaggtatg gaagcccagg	480
aggaagaaat gcttttgtgg gccagcccag ggccccactg ttctgtgcag ccttgggaca	540
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cttgggctgc tgcttcagag ggtgcaagcc ccaagccttg gtggcttcca tgtggtgtta	660
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<210> 1747

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1747

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agagacagtt tactgataga ctgtggtaaa ttctgtatgg agatatacag acaacagaag 180
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 acctcctggg ctccagggat cctccacct cagcctataa ctgggactac aggcatgcac 480
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<210> 1748

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1748

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 gattattgta aataaggtta aaaaaaaaaa gaggcgccaa atgtgaacaa aaccatgatt 180
 gttattagta gagaaccag tctgtaaaat attttctgga caggaggga cacagggact 240
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 ntaattangg ttagtgtcan ttgaaaccac cttaaaaaa ttttaaaact ctgctacaaa 780
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<210> 1749

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1749

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taaataataa accaaataag gccaggctca ggggctcacg cttgtaatcc cagcactttg  180
gaaggctgaa gcgggtagat cacctgaggc caggagtctg aaaccagcct ggccaacatg  240
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caaaaaaaaa aaaaaaacta aaaattctta gaggaaaaca ggccttaatt tgtgtgactc  480
cttgattagg ctgtggcttc ttagataggt cattaaaatc gtaagcaacc aaagaaaaaa  540
acaaatttat tggacataat caaaatttaa aatgttcaca ataaaaaatt taagacttat  600
aattcaaagc acattatcaa aaaaagtga aatacaaccc atagaaagat aaaaaatatt  660
ttcaagccat gtatctgata aggtcttagt atccagaata tataaagccc attacaactc  720
aataaaaaga cnaattaccn ggnttaaaaa tg                                   752

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<210> 1750

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1750

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tggcttgagg tccgtagttg agaccagcct ggccaacatg gtgaagcctg gtctctacaa   60
aaaataataa caaaaattag ccgggtgtgg tggctcgtgc ctgtggtccc agctgctccc  120

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gtggctgagg cgaggagatc tcttgagctt aggcttttgg gctatcatgg cgccagtgca 180
ctccagcgtg ggcaacagag cgagaccctg tctctcaaaa aagaaaaaaa aaaaaaaga 240
aagagaaaag aaaagaaaga aagaagtga ggtttgtcag tcaggggagt tgtaaaacca 300
ttaataaaga taatccaaga tggttacca gactgttgag gacgccagag atcttgagca 360
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cgaaagcaga atgttttgat catgagaaaa ttgcatttaa tttgaatata atttatttac 480
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tcattttaaa aaataacaat ctgatattta aaaaaaatc ttattttgaa aatttccaaa 600
gtaatacatg ccatgcatag accatttctg gaagatccac aagaaacatg taatgatgat 660
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<210> 1751

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1751

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<210> 1752

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1752

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aattcaggaa tcatggccaa ggaaacatgc tgttttactg gaaacttgca gttattaata 600
aatacattac ataaaagcag tgctggagcc tctatggctt anggtcangg ctttaagtaag 660
acagcctatc atctgccttc taaacttgag gtggcccatt tggaaaaccc atttncctgag 720
gta 723

<210> 1753

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1753

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gggaagaggc aagtggcttt ccctgactgg catcagactc ctggatggct gtgtttctgc	180
atactccacc atcaacaatc agaagggcac tgctttcttc aagaagggga ccttgcaaag	240
aactgtctca gatgggctat ctttgagttc atcttgttct gaatgtgagt ctgagtcitt	300
gtttccagat gacacagtgc tgtctgagtc ctctgaatca cctgcctcag agctgcagca	360
aagtttctgc tgcccagaaa ctgaatgggc tgcttgtaat gcagattctt ctccctggaca	420
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acttccttta aggccttctgc aagagctgcc aacgttttgg atttgacttt ctgagtcac	540
acacagtagt atgagatgta gagatcattc agtatgtatg ctgggtcggt ttccctgaaaa	600
attttgtgaa tatccaggag acactttaaa actgcacttt tacttaattg caggatcitt	660
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<210> 1754

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1754

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taactcactt ctccctaatt cagattgctt ttcttaatca ttggaagta atgatacaat	180
tatcacatag tagccttaca aatagccata atattaaatc ataatttatg taaagtaaac	240
atccaaattc caaaacatct gaacatggga acaggctgat tgaagttttt gtgggtcata	300
agaccttggc aattgtttgt gagcctgatg ccgacatttc tcaacagtaa tcaaagcaca	360
gaacaacaac catccacatg aaaaataact caaattgtca ttgtacttcc catgctattg	420
tcatttagca agttatggca tgactgattc agccagtaag aaaaatgtga tgagaatatt	480
ggctaggagt acagtctgct tagatctttt agtttttttt ccttcaaaag ccaatagact	540

tttactcttt aaaataggag ctatgcaaaa acgtaatat tggaatgcca agctgcctcc 600
atgattgaga tacctgtttt gaagtctctc tctactgnaa attctaacag aattaaanaa 660
gaatcaatga ttcttggtac cttcaatgta cctaccacac tactcatgaa aaaagcttta 720
aaaattaatg gnaaattggt gggncctggaa attctggcng g 761

<210> 1755

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1755

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atcaagcatg ctacttggtg aggtgtctta agttgcgtat tttaaacaat aaatattggg 180
taaaagtagt gaaacattag aagtatcctt ttaccaacac tacaagaaac caggacagaa 240
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tctattaact gtcttactga aggttgata gtgtattttt caaagcaaaa cagactttga 420
aggtgtctgt ctgaagattt ccggaccaga gggaatgcat atgtggacaa itcanagatc 480
tcanggaaag taattgtgta ggctggcgat caatttgga tgagggaaag gagagtgaca 540
atcgatatct agctgggagg tgagagaaga gcctcaatag tgacagctca ttcaaccaac 600
ggaggaaaaa agtaacaccc aatgggaaaa ggccaccaag agcaacactt acttgccctg 660
cttgaatttc ggccctgaat cacctgggcc cccattggaa aagttacca gcttgggctt 720
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<210> 1756

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1756

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gcgcggcgcc gccgggactt tggctttgac accgactgcg agcgggagcc gtgcggctgg 60
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ggggtaaacc caactgcggc ggccgcccgc caagccccgg tgcagcctcg gcggcgggtt 180
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tccagggcct gaccagtac ccacacccgc gcggacgcct aggctggagg cagggggccc 360
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gcagagcggc cgagaggcgg ccaagtgaag ggtaattttg gacacgccag gcatggaaga 480
ttcagggtgtt tgtctatagt aacctcttca gtccctgaat cctgcacctt ncgttnttct 540
gtgcttgtag ggnctactgg gcttctctcc tagccagaga gctcttctgc agtgggtgcgg 600
cctt 604

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<210> 1757

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1757

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ggtaagattg aggtttgctc tctgagaact aatgtagcat ttaactctcc tctaattgtg 120
catatagtaa gaatccagta aatcacaggt agtaatagtt ataatatgga aaaataggcc 180
ttcgggggcc atagttgagc aataccattt attactaggt aatgtatcct ggatgcttct 240
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gtttgcagca aacagaagtc taaaaatttt gaaggagggc ccagccctac ttctgccact 480
tatcagacct gaattatgtg gacactgctg ggtttcttta aaataacttc agatctggtc 540

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ttgaatggat caagaaagat tttcttaata aaacaaacaa aaacagcaat cctgtccttt 600
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cggtaggtga gggcacaacc tgggtatcac tctcctctct agtgacacaa gggtcaccct 720
ttgncaccct acctgtcaat accctcttac attttagaat tttctggcat tcaaaccctc 780
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<210> 1758

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1758

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tgagaagaca gtggaaaatc tttaaagtac tgaaaaaaaa ttgtcaacct aaaattctat 120
tcctagagaa aatctctttc aaaaacaaag ggggtgaattg aaaattaaaa agctagtgtt 180
ccattatgtc agcataaagt cttatgaatt ttgtacatac ctttgggtctc ctctttgttt 240
gttttcaaat tacaaatatt ttgaaaatcc tactgtcttt ttaagagaca atggcagccg 300
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ccaactctac taagaataca aaaaaattag ctgggcgtgg tggcccatgc ctgtagtccc 420
agctactcag gaggtctgggg caggagaatt gcttgaaccc aggaggcaga gggtgcagtg 480
agccgatatc cactactgca caccagcctg ggtgacagag cgagactcca tcttaaaaaa 540
aaaaaaaaag agagacaatg gcctctctaa gcaacatgac ctacatttaa atggagtcaa 600
gtggctctct gtttccattt gnttaatttc tactttgata ttttgcttgc agcttcaata 660
ttactggctc gtgtggcctg cttcatgctc ctggaataaa ttcaataacc accaattgcc 720
ccttatgttc ccagcccagg attcaaactg ggcttcatgc anaatgggcc ctctaattgga 780
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<210> 1759

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1759

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ttgtagttaa gaaaactaat gataagagag gtcaggtgag tagctggtag ttacatagcc 180
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cagttcccaa agagggggaa aaaaaaaaaa aaaaaaggga cagttcctta aaaaaaaaaat 420
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gttctgtggg tatgtgaatg tcaggttggc aggggtgcagc tgtgtggntc cagatgacca 660
gaagccacaa gcggttgctg cttctctctt gggattgggt ggggagtgaaggcanaccc 720
gacggatgcc ttgntgggtt ttggg 745

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<210> 1760

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1760

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ctaaaagata aagatgggtg ggcatgggtg ctcacacttg tgggtcccagc attttgggaa 180
gctgaggagg gcagatcacc tgagaccagc ctgggcaaca tggggaaacc ctgtttctac 240
aaaaagtaca aaaattagct ggacctggta atgcacacct gtagtctcag ctactgagga 300

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aaatttttagc cacaatatta tttatcacac ctaaaaatta ataatttcct accatcaaac 480
tacttaatca atgttcaaaa agtagaaaac acgtttgcaa aactgagcac ctttttcact 540
taagaataag ttaggtcaga tatttgcctt tccttgggtca gctctagacc aaggggaaat 600
gcaagatgta actactgaaa catagtgggtt ggcatTTTgtt ggaatatttt tggttaaaac 660
atggaagtta ttttatcatg agttacttct atagtTctaa ctaatttttag ttagacaatg 720
nattataaat gcagtgtaga attttgacct caaagaatct catctagtat catgaaatct 780
atgcngtatg atgtaatcag tagaatgtgc ttaactggga gcctttggca tccaan 836

<210> 1761

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1761

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acggggaggg cggcgatgag gaggcgggca cggaggaagc agtgccccgt cggaatgggg 720
cccnggtcc acattccctg acccttctcg atgagcangn cttttgggat cttgaagatc 780

tgctgtcgtg cccaaggcac

800

<210> 1762

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1762

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<210> 1763

<211> 682

<212> DNA

<213> Homo sapiens

<400> 1763

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 acatgtagga cttagggttc aagggtggcag actagaggag ctagtgtgta ctgctctcgt 180
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<210> 1764

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1764

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 taacctactg acatttgaac tacaaagcaa agatgttcag attttcctga aggatcaagt 180
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tgtacaagat gatcatcccc agagcacata gccgtcagac tttncagggt caataccaaa 720
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nttagcagaa actttacag 799

<210> 1765

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1765

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cgtgttctcc ttccaataga aaacgactgt gcggaacctc atcctccccg ggcccagggt 180
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<210> 1766

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1766

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gctagggtttt aaacataatt tctaagaata taaaaattta atcaccacca tctttataat	180
tgtttttaaaa ttacctctaa tttcttcgca caaggtccac taacaagtgc aatcacacca	240
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caaaaatggg cagttttttc ctaatgcatg taaggacaca tcagtaatac ttaagcagcc	660
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<210> 1767

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1767

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gggaccatca ccctggccaa gctttccatt gtccctatgc ggagaggta ctgggggaac	180
aagatcgga agtcctacac caccctgt atggttacag gctgctgtag ctctgggcta	240
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cccagcctct ggaaagagac tattcaccaa gcctccctgt ggaatgcact gaccatcaca 480
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 nt 782

<210> 1768

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1768

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<210> 1769

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1769

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gtagaaac 728
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<210> 1770

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1770

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<210> 1771

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1771

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<210> 1772

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1772

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<210> 1773

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1773

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<210> 1774

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1774

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<210> 1775

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1775

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<210> 1776

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1776

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cacacacacg catattcacg catgcacagg cacacacgtg cacatgcca cgcgtgcaca  600
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tgt

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663

<210> 1777

<211> 658

<212> DNA

<213> Homo sapiens

<400> 1777

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ttaagattga aataagattc ataaaatcac tattaatcaa tgtctcttaa gccttttttt  180
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<210> 1778

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1778

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<210> 1779

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1779

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<210> 1780

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1780

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<210> 1781

<211> 678

<212> DNA

<213> Homo sapiens

<400> 1781

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<210> 1782

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1782

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gc 782

<210> 1783

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1783

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<210> 1784

<211> 669

<212> DNA

<213> Homo sapiens

<400> 1784

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<210> 1785

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1785

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cgccatgctc cccgaaactg ggaactgaca agccagccct tcaaagccct tctcagttca 720
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atgat 785
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<210> 1786

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1786

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gcctgttgta tttaagagcc agtttatata ggtctgttct ctcgcctagt ctgtgagctg 300
tttcagggca gagaccatct tacacacttc tgaatgtcag ccacttagcc tagtaccaga 360
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<210> 1787

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1787

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 cgagccacca tgtccagcta atttttgtat tttttgtag acatgggggtt tcaccatgtt 240
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<210> 1788

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1788

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catcctgccc cccacaggaa cctgcttgta cgtgtacccc gcacagcctc aacttcagca 660
agccgccang gcttcgtgcg caaccttgct gtgccagtgc agtacatgac aggccgangac 720
ccanccagg ctcttgccgg ca 742

<210> 1789

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1789

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gacagagtct cgctctgtcg ccagggtgg agtgcaatgg tgcgatctcc gctcaccaca 180
gcctccctag tagctgggac tacaggcgca tgccccaaca ccagctaag ttttgtaatt 240
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tgtttgaaca cttcttccat tcatagcatg tgctcatcaa aaagtgttt ccgtttctgg 600
natgtcaact gtactattta taacctagtt aacaaagccc acatgngaa accttatctc 660

tactaaaagt gcaaaaatta gccaggcatc atggcacatg cctgtaatcc cagctaccca 720
ggangctgag gcaagagaat tgcttgaacc tgggaagggtg gangntgcgg 770

<210> 1790

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1790

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ttaaaaatgt aattaattgc ttaacagtta tatcttgtga aaacaatgtg gaaatctttt 180
tacattttta atttttgggtt caaacaacc taactaatca aagagcagcc acaaaaatcc 240
tcaaaatgca aattagacac aataatgtac agctaccaat tacagatttt agtgtttttg 300
tattccacag caacaaactg ccaagtctta aaaaaaaga agtcaactaa agcattctgt 360
tgttccctga gctctactgt atattctact ggaagatttt aagctctgtc atggacatat 420
gactagaatc acaaattttt taaaaagtgt tcagacaagg caaatatcta actatgagct 480
atagaagtta aatatattga gtatgtcagt gtttgcattt tatttttgga tggatatagaa 540
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tttagttaat ctaaaaaatg aatagatttt taaaaaatta atttcagtgg tcttttatgg 720
tatagagtgg atggagtcta acaaattttt aaaatcttgg caccaaaaaa ngattcccga 780
aaaagatttt ggcataatgg ntntaataat taatcctct 819

<210> 1791

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1791

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gaactttata gttttttcaa aatggcagat acttgcctta tcagagcaga aggttagctt   60
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ctacttacat caccaaacac tcacacagtc tgattataaa atattgagac tgacagtcac  180
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caaacccttt gagggttccg gcctggcttt tctttatatt tggggaaatg ttagagaaaa  300
cagcatctaa aactggaaac cttgacttaa attagccatt tcttctcatc ctaaattgag  360
agacatgagt tctaaatggc agagaccatt tataggagaa tgccaaagag agcagaagag  420
aatgggaagc ctttcccaca gcagaaactt tccacagcag agacaataga ctgatcccta  480
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aatgcattgt ctaggttcct ctagacctct aggttccctt ctattctcag aagaaactta  660
agttatgctt gagtataact tgagtagggg ccaggtaggg gcagcattgt gggattcagc  720
cnccaatggt gtgattcaat ctggccctnt ggggnctttg ggttcatttt aacgggcatt  780
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<210> 1792

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1792

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cagggcctgc cagcagcctt ggagaaacca cgagcccatt taacaggcag gacgctgagg  180
ctctgataac aagtgcggtt tcggacaaga gcgggagagg agatggagaa acagaccctc  240
gtgcgtggct ggtggggatg gaacaaggcc cagcctggca gcttctcaca tggtaaacac  300
ggaattacca tagggcccag caatcccact cctggggata gacccacag aactgacagc  360
agggactgaa agaggtgttt gcacacacaa gtgcacagcg gcatgattcc caacagcccc  420

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agggtggaag ccaccccagg cgcccatcag tggataaaca cagcatgggc caaccagaca 480
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 aaccttgagg acctcacgct cagtgaagg atccagacac aaaaggacgt atcctgtgtg 600
 atcccactcc tgggaagtcc ctagagtcgt cagattcaca gagacaggaa ataggatgag 660
 tgagtgccaa gggctgggga gggggacagg gantgagtgt ttcatgggga cagantttca 720
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<210> 1793

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1793

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 gaggccgagg cgggcagatc acgcggtcag gagttcaaga ccggcctggc caacatactg 180
 aaaccccgtc tctacaaaaa atacaaaaaa attagccggg tgtggtggca gatgcctata 240
 atcccagcta cttgggaggc tggggtagga gaattgctag aaccaggag gtggaggttg 300
 cagtgaacca agatcatgcc attgcactcc agcccaggcg acagtacgag actccgtctc 360
 aaaaaaaaaa aaaaaaaaaa gaaaaccata cattcaaaa atagcgattg agcattagct 420
 ctgtgctagg ggctgggaac accaaggaga agcaccacc cctgtctaga tgggtgtgat 480
 gggatgccag ggaagacttg gcggaggggg tgatgccac acggtatcct gaaggaggaa 540
 tgggcctgag ccaggcaaag aggagcaggg aggggtgtggc tagcattca tgcacaggtc 600
 tagcaagtgc aaaggcctgg gggtcagaga gagcaggatg catttgaaga gctgtctaca 660
 tggntggagc acagcacagg aagagttcat actncacctg tttgctggcc atgtgtccat 720
 ccttncat 728

<210> 1794

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1794

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cacagccaga aacagaagtc caaaaggaaa gaaaagccac tggagagcag attgaggaaa   60
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ttccttcctt aaatatcact gtcaccaagc tgggcacctc aaactcctaa ctgcttcaca  180
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acaaggggga agacatgagc aatcagacca tcaatacagg gtgatctgtt caacaactga  660
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<210> 1795

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1795

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atttgggaata agcatgaact ttggagccag acatctggat taagatatta gctatactgc  180
taatacactg acttaccttg gacaggtttc ttaccgtgtc tttaaagcag ggataataat  240
acacacctta ttgggttagt gtgcagatat aaggagatga tccatgtaaa gtcccaagta  300

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taatgccagg aagtttagtag gtgattatta aaagtttagtc attatTTTTg tgtctctctt 360
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 cttctacaat gagggtgcca acatgtgttc ctgagtccac ttatcgtcac caccattgct 480
 gccaaagcaa ttgttatggc tttgttagcc tccccattta atttagcaaa tactgaactc 540
 cttaaaccac gcttttagttc tttcttccct taagatgaat ttgttaattct taaccctaag 600
 atcatatgga attaaaaaag agcccaaata gccaaagcag tcctgagtga aaagaataaa 660
 actggaggca ttacactacc tgacttcaaa atatattgca aggctatagt aaccaaaca 720
 gcatggtata aaaacagacc cataggccaa cggaacagaa cagagaacct atnaataaat 780
 ccatatattt gcagccagct gattttcanc aaaagggcc agaacatacc ctgggggaaan 840
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<210> 1796

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1796

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 ctctgcgtct cctagctctg atctccaggc taccctgtg attccgcga gaggtacctc 180
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 cggcgctgtt acccggcgtg gactcgccga ttttttttc ctgcgggacc gcggggcccc 420
 ccagactagc ggagctggac gccggggcga gcacggggag gggcgccacc agggaggaga 480
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 caccgcttcc tccccgctt cccattcagg tgggcgcaa cggcgggagc gaggggtgtc 600
 aggccgncgg gctgcaggtc cgagcacgca cagggagaac tctgccagt gttcncggg 660
 cgctgtantc cccgggatct a 681

<210> 1797

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1797

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tgctgcagcc acaacaagtg ccaccaccag gggccttcca gctgccagtg caggctttcc   60
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agccagggca gcgatgatga ccgtaatgaa aagtgggatg acagctccac actggtggat  180
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taccattgca gtgcaaagtg caagagttga agcttggaaa cttcaccta gatttaggaa  300
gattcaggga aaagtctgga tgtccacgca gaagcctgct gcacgagtgg aaccctcatg  360
gagaatctct accagggcag tgtggagggg aaatgtgggg ttggagcccc cacacagagt  420
cccactggag cacttcctag tggagctatg agaagagaac cactgtcctc ctgacatcat  480
aatggtagat ccactggcag cttgcactct cagcctgaaa aagctacaag tactcaaggc  540
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aggctttggg agcccacccc ttgtaccagc acgcccttga tgtgggatag gaggtcaaan  660
gaagttatTT tggagcttta agattaatga ctgctctgct tggnttttgg acttgng    717

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<210> 1798

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1798

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aaaaagcgtc caggttttgt gacgcacaac tgtagtctga gctacttggg aggcctgagg   60
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atttcacac aaaacaaata cataaattct agaagatgat ctcgaatagt ttttaaagtt  180

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aaaatagcca cttaaataagg attgttgagg ctatccgtat ggccacaatt atgactgagg 240
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 cttttcattt gaaacataag agggcagctt tgatgtgtgt gcaaggcggg gcttcctgac 480
 aacgtcggga gtgtgcttgt ggagcttact acctcgagag gtgatgcagg cacaaaataa 540
 aaggccccgag aagggccttga gatgtccata tgtgacagct ctctctcca tggctgctgc 600
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<210> 1799

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1799

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<210> 1800

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1800

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gtagtgttta attctctgta ttcttattaa caagattcct ttattcattt atttatcaaa  180
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aataaacata ataaatagta aatgacatgg tatgtaggaa agtgataagt gttatgggaa  360
aatcagaggg aaaggggggt agtgagtgtt gagggaatgt gggttgccat tgaaatggag  420
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gnctcatatg atcnttaatt atccttcagt aaactagcct ggacctggtc tcttggcaca  780
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<210> 1801

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1801

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catcatgcct gtatgaagtg gaaatgaaag gctggtataa gctgtaaagt ctttttgttc 180
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 tatagatgaa gaaacagaag tcagtgaggt ggagtccgtt tttgaggta caagcgctagt 480
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 aaatgtgacc gctagtggac agcantggca gcccanttgg atggcagagc ctggcatgcc 720
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<210> 1802

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1802

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 ccaactactc gggaggctga gacagaaaaa tcgcttgaac ccaggaggcg gaggttgcac 360
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<210> 1803

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1803

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aattgttagt caagatggat gtagaaattt tccatatggg atgtttctct ttgaattcat   60
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taagaacaga ctacaaaaaa atatgccttt caatcctgaa gagtaacctg aactatacac  180
tagttttgtg ctttaatttt catttgtaat ctgccttcaa taaagagtta agctagtgga  240
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ttaccaactg cctaacagtg catacatatg tagaagtttt attcttttct cctgggtgcca  660
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<210> 1804

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1804

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actaggacca ataattggga gtgtgagggt gacaggtttc agttcagtat ctgaaaatta  180
ggctactaga gctgcccaac tgtggaacag gctacctgaa taggtactga gcacctcatc  240
ccgggaggca ttcaagtaga ctctggctga ctgccttgat gacagtgttg gatgagaagc  300
tgtattagtc tgttctcgca ctactgtaaa gaaatactg agattgggta atttataaag  360

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aaaagaggtt taattggctc atggttctgc aggctgtata ggaagcatgg ctggggaggc 420
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ggtgcaagag gaaaagagag agggggaagg tgctacacgc ctttaaaca ccagatctcg 540
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acccctgtgg tgcaatcacc ttccaccagg cccaccttc aacattaggg atcacaattt 660
gacatgagat ttgggtgggg accccaaatc caaacatat canaagctgc ttttactgaa 720
anggccttcc agtcanaaaa ctggattggc 750

<210> 1805

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1805

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tagtaaatg gttgcatatt caggaaggta aaaggaagac aatgggtggt taaagaaaaa 720
atggaggggg gattncctta attgggtttt gnaaataant attccttggc ctattaaggg 780
at 782

<210> 1806

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1806

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gggggggctt actaagggtt gcctggaata ggatgcataa aatgaactac taggataaaa   60
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cagctggaaa atgctttttt agaatggcct tcctaaaaaa cgagcgagtg gatgctgccc  180
tccagtggcc aagtgtgccc tttaaagcatg tcagaagagg accaggaagc aaaatcaaac  240
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gcctaaatct caaatgattg acatgccttt aatcatcaca cataccgttg ttatctcaac  480
ttaaaaaaac aaggccaagc tatgtggcta atgcctgtaa tcctagcact ttgggagggt  540
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cctgtctcta caaaaaacca caaaaattgg ccaggcatgg tgggcacgtg tctgtagtcc  660
cagctgctac ttgggagggt gagaaggagg atcccttgaa cccagaaagg tagctgnant  720
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<210> 1807

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1807

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gttaaaaatg cagattttctg gacttccaca gtctaccaa ccaaaataga tggcaatgag   60
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gaggtgatgg caggaaaggg aaagagggga aagatggatt tttctgataa tatttggtaa  180

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aaagttggta tcatctccta aaaatatata actgaaagga agcaaggagg atggagttaa 240
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 tggaataaaa ctgggggttg agaaggtgtg ggaactcttt agggcccat cagggtgtgct 480
 agaatagtaa cttgttaaac agaaaccac gaggtaaata caatgttcca aagcaaacac 540
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 gctgcaaggg acctcaagag atcatcaaat ccaacctctt cttttaagg aggatggaat 660
 tgaacttccc gtcaggcaag tgacctgctc aaggtgtgac cagcaaggtc cccaattaga 720
 actggggact tagaaccca cgggnttctt ggtggcnaa 760

<210> 1808

<211> 730

<212> DNA

<213> Homo sapiens

<400> 1808

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 ccatgagcgg atcacagaac aatgacaaaa gacaatttct gctggagcga ctgctggatg 120
 cagtgaaca gtgccagatc cgctttggag ggagaaagga gattgcctcg gattccgaca 180
 gcagggtcac ctgtctgtgt gccagtttg aagccgtcct gcagcatggc ttgaagagga 240
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 gctgtgccct caacgaacac tccctggagc gctacctgca catgctcctg gccgaccgct 480
 gcaggctgag cactttttat gaagactggg cttttgtgat ggatgaagaa aggtccagta 540
 tgcttcttac catggcagca ggtctgaact ccatactctt tgcgattaac atcgacaaca 600
 aggatttga cgggcagagt aagtttgctc ccaccgtttc agacctctta aaggagtcaa 660
 gcanaacgt gactncttgc tgaaggagtc cagcaagga gtgancacct gttcaaggag 720

atcacagcct

730

<210> 1809

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1809

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aaaaaaaaat ggaaaaagag aaaaaagtaa aaagtaggta agaaaaaatg aagaaattag   60
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cttttaaaaa tcaaagttca aacttacagg gtacttagag atttaaaagg gaacaagtca  180
tcagttccta tctcaaaact ggcccattta cccttcttct ctctttctca tttctgatcc  240
tggaacaaaa attattttct catacaacat cgagagcatt gcagacaatg tattatagtg  300
agcaagtatg tgcggtagag gcagattctg agtttaaate ctgattctgc tagtagttgt  360
tgactttgga caaattatta accactaagg tttccgtcat tcatctgtaa aatgaggata  420
ataacacttt tcctgtagga gtatTTTTTA aaacaacatg taaaaagtat gtattgtagt  480
gccagcgcat aaaagtaatt tgttaaaate gtttcctcct tttgtctgcc ctttcttttc  540
caatcctact gctataacat gaattcgggg atttatcgtc ttgtatctac tagacaccat  600
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aatatgtttc ctttaatcca gattttcatc agttttgaag cacatcataa tccttttaaaa  720
attcctcang ccaggcaciaa tggcagattt ctataatccc agcactttgg gaagncnaag  780
gta

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783

<210> 1810

<211> 894

<212> DNA

<213> Homo sapiens

<400> 1810

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 gggaggatgc ggacttcccc attctgtgcc agacatgtct tggagaaaac ccatatatcc 180
 gaatgaccaa agaaaagtat gggaaggaat gcaaaatctg tgccaggcca ttcacagtgt 240
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 gtaaattgaa gaatgtctgt cagacctgcc tcttagacct agagtatggc ctgccccatcc 360
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 agtactatac acagaatatg gagagagaga tttctaactc tgatggaaca cggccagttg 480
 gcatgctggg gaaagccaca tctaccagtg acatgctgct caaactggcc cggaccacac 540
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 agcgggcttc aacaatgcct cggctggacc caccagagga taaaactatc accacactat 780
 atgttggtgg gctangtgat ccattactga gacagattta agaaatcatt tctaccagtt 840
 cggagagatc ccgacgatca ctgttgggca aagacagcat ggcttttate agtt 894

<210> 1811

<211> 885

<212> DNA

<213> Homo sapiens

<400> 1811

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 ttactaaaa ctgtcttcac tgtgtggagc ttacttcttt gtgaagcttg gtgtttcatt 180
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ccagtaatac ccatccatgt gcccaangcct cgaatcatgg accccaagag ccacttggg 780
tctctatccc tctgtgnca atatnggacc taagcttcaa ggacaaaagt cgggtttact 840
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<210> 1812

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1812

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gaaataaaaa tgaatgtgaa atttgatgag aaggattggc tcctgctgca aataaatttc 180
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caccagctct tctatcttta ccacctgcag agttctcctt tatttgcttt ttgtaccatt 660
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tg 722

<210> 1813

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1813

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tacgtattac atttctgtag catttaaact tttgatgaat actttcccct ggtactattt  180
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tgctgttaag caaaaagtat gcttgaatta ctaatttaaa cacttncctgc cagaatgcat  780
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<210> 1814

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1814

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atggatcttt tgccaataaa ctggttatct gttaccagta aaacagtcca gattttgact  120

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ctgaatctga acgggttcac taaatataat aacaaaagga aatatttggt tccccttgat 180
 ttcctcaact cacgtaattc ttgaaacaaa cccgtaacgt gggtattatt ttattcctat 240
 ttacaggtg aggaaactga gctttagaga ggtcaagtct atttttaaat ttacacagct 300
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 aaatgggtcaa atttcagaag tgttgatatt ttaatagnta tatcnnittag tatctatagg 780
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<210> 1815

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1815

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<210> 1816

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1816

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 ctt 783

<210> 1817

<211> 899

<212> DNA

<213> Homo sapiens

<400> 1817

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 aggaaagcac agtaataaat tgcctactgt tgcctaccac aataatgaaa gtctgaaata 180
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 aatcaaagtc tgaaaataag acctgcttaa aagaaatttg acagcgatgt tgatattact 840
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<210> 1818

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1818

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 cttcattgca tgatgtgacc agctctcaga ggggcatcta atacagagca gtttagttta 180
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 ttagaatttc aattcctttt ttaaaactct ggtagatca gaaaccattc agacacttct 840
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<210> 1819

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1819

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atcagtgtag aagaatacct catgtgcaga tgctaggtgg caggccagtc tcattcatct 720
gactagctct caacagtatt caaggtacat ctggagtcctn aacagagttc tgnactcaaa 780
tggcatgtgt cttccaagac agcttatgaa tatctaaaaa ggccacttcc tgnctaggac 840
cct 843

<210> 1820

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1820

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ggcagcgtca ctggaagttg ttattgtggt aaaagaattt cttccgactt cccgcacggt 660
ttcagttcat gaatcgctcn cggaacacc tgagaagctt accatcggtg tctatactac 720
acgaaggtcc aagctncttt cctggaacct gtgtggangc aacaa 765

<210> 1821

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1821

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 ctgctcatca gaccgaagat ggccctggcc aatgaaggca actaccgcga gctgcgctgg 480
 ttcaccccggt ggtcgaggag tcggcacaca gaggagtact ttctgcctcg gatgatacag 540
 gacctgacaa agcaggaaac cgtacccttc ggagatgcgg tgctggtgac atgggacacc 600
 tgcatgtgaa gtgagatctg tgaggagctc tggacacccc acagcccgcga catcgacatg 660
 ggccctggatg gcgtggagat catcaccaac gcctcgggca gccaccacgt gctgcgcaaa 720
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 ctggccaacc 790

<210> 1822

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1822

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 ccaggaagcg aggcgagcct caggtggacg cggtggtgtg gaccacggcg atcagggcct 180
 ttccccctgc tgtggagacg gaggtgcgag gggacgccgg cggctcccca ccttctggcc 240
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 gccgccgagg atgcccagcc tncctctcta attctacctc tccagttcct caggtagaca 540
 cagcctctgt ctgctgtggt tttagtgcgc atggnccctc agaaattatt tttgtcccct 600
 cccgatagtg gctttggggg atggagggcg agagatgcaa agggccagtg gaagattttt 660
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<210> 1823

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1823

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 tttatcttat aactggtttt aggggcaatt ctagtgaatt gtccctaaaa gatgtttgaa 180
 attagttcca tacacttttc ctgaatcaac ttaaattattg atttcacaaa caataagatg 240
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 tttcaacaga ggaaagtgaat gaattgttga tgtgagttcg gaaaccagag gttgataaag 360
 tcttacgatt gctatatgca ctgtgaggct actgtatttg gaaaattgca aaacaaaata 420
 ttttttaaag aacaaaaatc tggtagtag catacacaga tttcaaaaat aaattgcata 480
 acttcatatt tcagtaatta aagatttaac aattgtgatt ttgtggctaa acaaaatata 540
 ctgaacaatt atgtataaac catggattca aagctccaga aaattgtctt aatgaggcgt 600
 ataaactctt ttgttttaac gtccacacca aatcattatg gtctgccatt tcatgaaata 660
 acaagagttt taaaataagt gatgtttttt agtttgtgta tctatattct ttcctaccag 720
 gtatagcaca gtgtagtaca agggcctaca gttgtaagcc ttgggaaaag atactggttt 780
 gccacatat ttcanctatg tgacccttgg aaagngggtc ttaaaangga cactgtggcc 840
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<210> 1824

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1824

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atatttgagg caccatccct gccattgccg ggcaactcgcg gcgctgctaa cggcctggtc   60
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gaggaggagg gaaaaggcga gcaaaaagga agagtgggag gaggagggga agcggcgaag   180
gaggaagagg aggaggagga agagggggagc acaaaggatc caggtctccc gacgggaggt   240
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tggccacctt tgaccggcg cgggggaccg acgccaccaa cccaccgag ggtccccaag   360
acaggagctc ccagcagaaa ggccgcctgt ccctgcagaa tacagcggag atccagcact   420
gtttgggtcaa cgctggcgat gtggggtgtg gcgtgtttga atgtttcgag aacaactctt   480
gtgagattcg gggcttacat gggatttgca tgacttttct gcacaacgct ggaaaatttg   540
atgcccaggg caagtcattc atcaaagacg ccttgaaatg taaggccac gctctgcggc   600
acaggttcgg ctgcataagc ccggaagtgc ccggccatca nggaaatggt gtcccanttg   660
cagcgggaat gctacctnaa gcacgacctg tgcccgg                               697

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<210> 1825

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1825

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taggggtact tgaacacaag cactgcgata cagtcatctg ataaccgaga cagtcgatct   60
gatcaccgag actgctacta agtgactaat gggtagcag catgaatatg ctggacagag   120
ggaggatcac ctccaggga gcaaggggca agatctcatc atgctcctca gaatgctgtg   180
caattaaaat ttatgaattg tttatttctg gaatgttcca tcaaatttt ttggactgct   240

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gttgagcgta actgaaacca tgaaaatgaa gccatgggta agaggggact actgtataacc 300
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 gattgttgta cacagaaaat tagggaacac agctaagatc aataccaggg agcttccaaa 720
 tgggagtcc attttcattc cticattaaa atcattaaaa tccataataa ttcctgggta 780
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<210> 1826

<211> 813

<212> DNA

<213> Homo sapiens

<400> 1826

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 gctaacatag attgctaaaa acttcaggga acggaaagat ttcttaaaac taaacagtgg 180
 aacaatggta tatttaacta cattaact aaaactttta tttgtcaaga catcatttga 240
 gagcgaagg gccggtcaag gacatgggta agatgtttac aaatacacag ttatcatttg 300
 ctagcattta aaatatataa agagttccta aaaataagga aggaaaagac agaaaaggct 360
 actgaaaatt ggacagaagc ctgaagagcg acacccaga agagctgacg taatggccag 420
 aagtgggtga aagggtcca ccttgcattg caccaggcaa tgcattgaca agcccaggcc 480
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 ctggggccct gcagtgagga cagccctgc ccagtccat ggggagacc tagcatatcc 600
 ttgaaggag ctgtgtaagc attaggaacc cagtccctgc actggaggag ctctgtcacn 660
 gagggtttgt cacaactgnc cccgctggaa tagcccatgg cacttgcaca gtgggatgga 720

gaaactgggg attcttggtg cctgggaagg tgggtggggc tttttnccag gttacattgg 780
gcccantggc ccaaaccttt ggggaaangg ttc 813

<210> 1827

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1827

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cttcactcag ttaatctctg gaacctggcg ttttatgtct tcatggctctt tctggcaacc 180
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ttgcttacac tgaaaaattt taagcatgat ctgataaatc ttcttattac acaagccaca 720
cctcatgttg ctncgtgat gccctttaga tcggttcatt acagaatttt antccnactg 780
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<210> 1828

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1828

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gacaggagtg ggacttggct taaaacctac ngaaaacct tcaagcancg aggtcttgag 720
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<210> 1829

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1829

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atgcaaatat tagaacgtga caaataatgg tcagcagacc aggtaagaga caggatttaa 60
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ggaggctgag gcaggagaat cacttcaatg cagagggtag aggttacagt gagccgagat 420
cttgccactg ncctccagcc tgggcaacag agcaagacct tgtctcagaa aaacaaaaac 480

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aaacaaaagc tgtatatatt tgcaaaaaca ctatagtaga cataccagac catcagctcc 540
ctagggcttt ttatgaaaaa cagcagtcct tccccactcc cctttccagc cccttagaag 600
cagncatttt caactctcca gttccttttg gtatatctct ctaaataata agcctctttt 660
gctttacagt gtttggtatt atttattaac ttcactcctt taaatagggg tcgtttttgg 720
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<210> 1830

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1830

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atgcagaggg cccaggaggg tcttgcatgc atctacatac ttccctgcga gttcttgggt 180
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cagacagtgn tgctgctttg gctaaagaag gaatgggaag gcaaatgaca aatggcctnt 660
aacggtgcna agaataatgg g 681

<210> 1831

<211> 633

<212> DNA

<213> Homo sapiens

<400> 1831

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aaaatcaaaa ggcagccaat ccgatttgta aacctttcct ctggcacatt gtcaagatct 180
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ttagaaacaa ggttgcaaag ctttctcctt ggggccttgg gaaggctgga tgaaccctcg 540
cgtctccacc tgatagggt gatccaagtg tttctgggtg gtggnnttcc acactggttt 600
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<210> 1832

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1832

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acttttagcc acttctcccc atctcactgg ggtattcctg ctggtatatt cactagcctg 180
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gagtgcctgc cgtacacatg ggtggggaag ggatggaaag tttagcaagg acttgccgag 480
ttattaagca aagactctgt aagtgcgtca gaatgggaag gcagctcaga acctttccac 540

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 caataatacc aaagctaact tctatcactg tgagttgtgt gccangccct gggttcactg 660
 gcttctgagt ggtatctctt ttaatctctg cccaactctg tgggggnaac actgggggta 720
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<210> 1833

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1833

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 catgaacgac acagccaaac agcaggccgg ttgtagccca cttgcctgc tcacagccca 180
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 gnet 664

<210> 1834

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1834

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tcttgctgct aaaagagaaa aaagaaaaga aaagagaaaa aaagaaaaaa gaggaacaga 180
aaaggaaaca ggaagaagat gaagaaaaca aacctaagga gaattcggaa ctaccagagg 240
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gngcaaccac caccactacg attggaatct ctgcaacatc tgcaacattc acaaatgtgt 360
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gtggtaaaag ccaagagtta aattttgtga tggatgtgaa ttcctctaaa taccctcac 660
tgctccttca tcccgaaga gaaaagacca gtctggtctt tcaaaactna gaccnacttg 720
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<210> 1835

<211> 789

<212> DNA

<213> Homo sapiens

<400> 1835

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acagctgggg gaggtcagaa cgtcactggc ctggaaatgt acacatctgc ctcatctagc 420
agagtgtctt ggaatacgcc ccagtgccgg accctgggcc cagctgagcc atctgtecca 480

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gacaaggagg cgttcacctt ggtaggcaaa gtcttactga aaaaccagag ccaagtgggtg 540
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 gcccaactta ggatctgtat caccatgtg acaggcggcg gtatcccttg tatcaagccg 720
 ttggaantgt ggggtcaagc ccggccaana cctggtttcc aggaagtgat tgacagcatt 780
 cttgntggg 789

<210> 1836

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1836

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<210> 1837

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1837

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<210> 1838

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1838

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<210> 1839

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1839

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<210> 1840

<211> 464

<212> DNA

<213> Homo sapiens

<400> 1840

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<210> 1841

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1841

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aaggaagcca nagagaggcc cggangttt ccccttnga 639

<210> 1842

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1842

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tattcagaac tttcgtcaaa agccaaagtc aancnngggg tttgcaagtt gacaccattt 720
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<210> 1843

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1843

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<210> 1844

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1844

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<210> 1847

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1847

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<210> 1848

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1848

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<210> 1849

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1849

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tggag 785
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<210> 1850

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1850

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<210> 1851

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1851

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<210> 1852

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1852

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<210> 1853

<211> 803

<212> DNA

<213> Homo sapiens

<400> 1853

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<210> 1854

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1854

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aaaaaaaaa aaaaaattta aagaaaaaaa atgtctacaa catgcactcc ccaaaaatct 480
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 acccatcatc aaatccagat cattttcctt tctctgnctc taattaattc attttgntca 660
 gagttgcat gatagtctcc ctaatatact gggtatggct ttgccctctg catccaggcc 720
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<210> 1855

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1855

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 gtcgcagccc cggccgcccg ccgccgcat gtccaaggag gagcgcgccg gtcgggagga 180
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 cgagtgggtc aaaggcagtc ggctcaacta tgcagaaaac ctcctgcggc acaaagagaa 480
 tgacagagtt gccctttaca ttgtaaggga aggcaagag gaaattgtga aggtgacttt 540
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 ggcttgccgc aagcattggt gccatctgga gcttcacgtt cccggacttt nggtgtgaat 720
 ggtgtgctgg acccgnttt tcttaaaatt caagcccaaa gcttaatctt ctctgtgga 780
 aggcttgntg g 791

<210> 1856

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1856

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ttggagggtca gagggtctct gtcttgagct ccaagtgggt ctctaagtct aggataaaga  180
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ctagagctag cacctgtagt cttggcaagc cattttagaa atctaagttg ttggtccatg  600
taatgtcctg gtggttgaac caacactcgt tctttgccat tcctgggcag gtgcttggag  660
aangctgggt agctgtcatg ttttttgaag aatgggtgcat cagtagcaca agggtttccc  720
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<210> 1857

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1857

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gagtgcattc cccagtctgc agtgaagacc aagtttgagc agcacacggt ccgggccaag   60
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caggtttact gcgaggaaat gcgtaagag cggcaagacc gactgaaatt tattgacaaa  180

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cagctggagc tcttggctca agactataag ctgcgaatta agcagattac ggaggaagtg 240
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 gacctaaact gtgacaagct gtgtgctgac ttccaggaag acattgagtt ccatttctct 600
 ctcggatgga ccatgctggt gaataggctc ctgggcccc aagacagccc gtcgggcctt 660
 gatgggctac aatgaccngg tccagcgtcc atccttntga cgccagccaa cccagcatg 720
 ccccaactgg cacanggctc gctcaccag ga 752

<210> 1858

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1858

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 gccccgtgga ccctggcnac actggttggg gcacagggtg agcctcgggc ctgatagggg 660
 taccacaagg agggcnaaaa gcccatgagg ggaaggtgan gcacctgggg cagagaaaaa 720

aaaaaacgc gccgtggaaa aaccggggcc tgggtcccc acgggccaaa attgccttcc 780
catnaggccc ttgngctttg gcccttgngg 810

<210> 1859

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1859

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ttagataagt aaatttcaga tactactttt agcagaacac attttttaat gtgttggtta 180
taaagtgatc tgtaggtaaa ggaatctgaa aaagcaaatg ctcattgtgtt agaaatgagt 240
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gttttggtat cataggtttg aaatgtaagt aagcggctca gaatgacctg gttctttag 480
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cggaatattt gcattatatt taccagtcca gcatccaaaa tccaaaaatc tgaaatctga 600
aatgcatcag tgagcatttc cttcaagtat catgcagatt ttggagactt ttggatttgg 660
gatttgggat gcttaacctt caatagttag ttatgtaac ttaaaatgta ctaaattcaa 720
caaaaactga ctgaaaatat gtcangtggt tgggaatttt tctttggaag caatcattta 780
tggnn 785

<210> 1860

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1860

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tgccccggcg cacgtcccg gacaccgagg ccgagcgggg cagggggctg accgccatga 180
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ccatgacgt gatggagtac ctcatcaaga ccggctcgga gcgcgtgtcg caacagtgc 600
aggagaacat gtacgccgtg canacgtga aggactttca gtacgtggac cgcgacggca 660
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<210> 1861

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1861

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gatatttaca aagatttgta aagaagacca ggaaataaca atgttaatag tacttctaac 60
tgggtttag gctatattaa tagaattggg gcttaatggg gcatagtaac agcgtagaag 120
gttaggtaca tacagtcaaa aagatggacc ttaccacagc tgaagctaga ttggggatgt 180
gtctgatgt catgtctaca ctgcacctgc aaatttgta ctctgaatt aaacatgctt 240
ccctccccct cctcaggta ctacacagc aagtcttccc tggtgaagg aaggtgaagg 300
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cagacgggaa gaggtagaga gtggctggaa aggcctgtct ctcccttg ctggggacat 480
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cactttgttc ttgttttttg tcttttcaaa taccttccac agtgaataat gtgtataaat 600
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 ggcgccatgg ctcatgccta taatcccagc agatggggtt aggccgangc aggaggatca 720
 cttgagccca ggagttcnan accagtcca 749

<210> 1862

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1862

cagnaactct atagagaaat aaagggtttt cccaatcctg gaaaaaatg gttaaaattg 60
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 cctacaatcc cagcactttg ggaggctgag gcaggcaaat cgtttgaggc caggagtcca 180
 aaaccagcct ggccaacatg gcaaaactca tctctactaa aaatacaaag aaaatagcca 240
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 tggacctgga aggcagacat tggagtgagc tgagatcttc cactgcact ccagcctggg 360
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 cagatagagg tgttatttgc atatggaaga aaattgcttt agaaatgaaa tttctgatta 480
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 actgttacc agcctggagt gcagtgttac aattgtagct cactgcagcc tggacctnct 660
 gggatcaagg gattccccca acctcggcct nccaagtagc tgggactata gaaatgcaac 720
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<210> 1863

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1863

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cttaacatag tgcctccaca taagatgtca caagctgcta actactatTT ttgttatgca 180
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gcagtgagcc aggatcgagc cactgcattc cagactgggt agcaaagtga gaccctgtct 540
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ctgcttagga gaacacagct gattttaaca tgttctgagg agcacaattt ttcttgctgg 660
tactcatgaa gaaaacatct tacttcatat ttaaaggat ttttaatgtg aatagagtca 720
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<210> 1864

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1864

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gaaacagaac aacaaggatga cagccttttg ctcaagtcaa aaagaaaata agtccctcat 60
cttagtttaa agttgttcat tcagtagtac agacttgcatt ttgaagactt attcttgatc 120
ttctgtagct ttgacagcaa ggacatcact acaatgggta cagaaataac acattctgat 180
ccttgctgag atccttgtat gggcctatct taaatctagc ctattgtctg tcttaccctt 240
tgatttttat aagtagaaaa caggaaaagg ctaaccaagc aagaggaagg catagattca 300

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tcttcctttc aatcttgact atagtttaaa gagaatacca tgatctttct gttctattct 360
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 attcagataa ctcaaaggat gttacttgct tgagtaatcc ttgggcctcg ctttaacttt 480
 gtagatccag gaacagaatt aagcagacag ttcggtctac actgccaaat ttcttaggga 540
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 gggctctaca cttcactttg caccaagtag acccaagaat gattataatt canctacgtg 660
 tgggtggtgca natcagtagt cctagctatt caggaagctg aagccggtgg aatgggttga 720
 acccangaat ttttaggctt gcaatga 747

<210> 1865

<211> 887

<212> DNA

<213> Homo sapiens

<400> 1865

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 gaaaaatgaa aacccttagt catgttacat attacatttc tggtaagatg tatggtcctc 780
 tggttctaata aaaaanttgt ggtggnttgg gaagtgaaaa atgaatgtga accccaggcc 840

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887

<210> 1866

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1866

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 atgtactatt ttgtgactta ttttgaatat ttctgcatca ttaagtattc attatTTTT 180
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 tcttttactt ctgaccaga acagatcggg agcaatgtaa ctcgtcaaag gtcagtattt 480
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 agacaagtaa ttttgatcct ttccaacttg aatagaaaaa canaaagaac cctgactttc 660
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<210> 1867

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1867

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tttctcaggg aaaagggaaa aagatgtacc aaaggaaata accaaagtat agaaaagaat 180
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 caacagaatt tgaaataatt ttcaagctga ttttattcat tgtttacctc ctttaattata 420
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 agncctatct gacaaaagtc cgcnaata 868

<210> 1868

<211> 875

<212> DNA

<213> Homo sapiens

<400> 1868

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 catttgggag ttgattccat cagttgtaga gggacttgtt cagatttcac aaaaaatata 420
 gaattggaag aagattaaaa tttatccata tctcagaatt attggcacct attgacctga 480
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 tggagacaag acttgaaaga gagagccagc agtnngaagt aagggttctg aatttcttct 780
 caactcatgc ctaatgggta agataagata acatcagtaa aagcctgaga atcactaagt 840
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<210> 1869

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1869

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 ccttgggagc agcattgact ccctttaacc ctttagctgg cctaaggatt gcaggaccct 180
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 tgatatatat ttctggtcat attttgaggc ccagtgtcta ntccctgatg gacttttatt 780
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<210> 1870

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1870

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aaaaggggag aaaaggcaaa acttcatgaa ctagtatttt aaatgtggaa taaaatgata  180
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<210> 1871

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1871

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ccttactgtt ccccttgctg tgtagaaaca gatgcagtca gacccacata agctggactt 180
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<210> 1872

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1872

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 gcctgtaatc ccagcacttt ggaaggctgc ggcgggcaga tcacttgcgg tcaggagttc 180
 gagacctgcc tgatgatcat ggagaaaccc catctctact aaaaattcaa aattagccgg 240
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 gtgtgagagc atgatcatga gtcctgtaga gaaagtaacc aaaagtata catttctatg 540
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gtctncatga ccaacctacg agctatgaga tattactacc ctttttttgg atagacacag 720
 angtgaaatag cttgcccattg gacacacatc tactaagtgg taaaactggn aatcgaaccc 780
 aggcagtcctt tncca 795

<210> 1873

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1873

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 tttcaagagt ctgagttgaa tattatgttc tcatttgitt ctcattctag aacaataaaa 180
 gaaaaagaag caagtccaag cagcatcaag gcaacaaaga tgctaaagac aaggtggaga 240
 ggcctgaggc agggcccctg cagccgcagc caccacagat tcaaacggc cccatgaatg 300
 gctgcgagaa ggacagctcg tccacagatt ctgctaacga aaaaccagcc cttatccctc 360
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 gctcaatcta gctctacacc aagtcagagg attttttttt tttttttttt gagtctgggt 660
 cttgctgtgc aaggctagag tgcattggtg ggtcatagct cactgcactg cagtcttgaa 720
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 cccc 784

<210> 1874

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1874

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ctgtgacccc cactgacagc tgtgagcccg cccagaatg ttcattctta gagcaagagg	240
agcttcaagc attgcagata gagcaaggag aaagcagcca aaatggcaca gtgcttatgg	300
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agatccatga agatgaattg atgan	865

<210> 1875

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1875

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acggacacag gattcatgcg gggccatgga acgtatatgg gagaagagaa gctcattgca	180
tctgttgctg gctctgtgga gagagtaaac aagttgatct gtgtgaaagc tttgaagacc	240
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 gtgattctcg gtaacaacgg cttcatctgg atttacccaa cacctgagca caaagaagag 660
 gaagcagggg gcttcattgc aaacctggag cctgtctctc ttgctgatcg agangtgata 720
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 ctgtctg 787

<210> 1876

<211> 870

<212> DNA

<213> Homo sapiens

<400> 1876

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 gctcttactg ctgtcagtaa gcagatgatg gcgtaagggg tttagaattt gatatgtgtt 180
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 gtcattgttc ctgggggaat atgtttcctg ggggaaggag catatctgac tgggtcccagg 540
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 tgaaatagct taacataaat atatagggtt agacatactg attgatgttt cagtgcctat 720
 ttttatatgc atttatatcg ctccangcat ctatttccac ttggtctatt aagtcatggn 780

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<210> 1877

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1877

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cgtgtgggtg aaggcatgag cctagaaaga gaccctttca gagacacaaa agcacagcan 720
cttgaagttg aangtagatt aggaacataa accaaaacc cagtccactt aaccacagc 780
agattatgcc angggaattt gaacctgtag tacacttgaa ggtaaccaca gcancagcaa 840
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<210> 1878

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1878

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tctgagatga gcatggacgc atnccccgag ttgagcatag aagcactccc gaangtggac 720
ctggaaacag ttccaaggt gagcatagta ncattccccg ga 762

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<210> 1879

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1879

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ctgcctcggc ctcccaggtg gcttggaacc gcaggcatat accaccatac ctggacatgt 480
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 gcatgacca tcgtgtccag cctaaatggc attcttgga gtaaaaccac aggggatctg 660
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<210> 1880

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1880

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 ttgccattcc ctatctgatg aattctgaac ctCagtttt catccaagaa ctggagttaa 180
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 aatttctctc tatttttatg gtcatctaatt cagtgcagct aataagtcaa tcagctcatg 720
 taatcccagt naccaaacag caggattgtg gacacacaca ggtgggagcc ctgaaatgcc 780
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<210> 1881

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1881

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catttaaaaa ctagttaaaa cagaaatggn tgccctggaa tgtggcctgg gntctttcaa 720
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<210> 1882

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1882

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<210> 1883

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1883

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<210> 1884

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1884

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<210> 1885

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1885

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<210> 1886

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1886

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 ccattcaggg aaacggggat gtgggagccg ncgnccgacc gngcacaacg gcttctcctg 600
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<210> 1887

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1887

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ttccttgagg agagcacaag tgagctnact gccctggact tcanggaatc agagttcttg 660
gccgcggggt gaaccaactt ctctg 685

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<210> 1888

<211> 609

<212> DNA

<213> Homo sapiens

<400> 1888

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gcaccgggtt tcataacaga ctgcgcggcc tcgagtgtg ggaagaaacg tgcgagggcc 180
gaggggggcg gcggagcccg cgtggaaatc ggaagaagc gcagccctgc gacttccgcc 240

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tgggtcatca cgccagcagt cgggccaagg cgcagggggc ggggtggggga cacgttaact 300
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 acaataagtt aaaagtgccg cctccctcca cctctttacc ttcattctta ccaaagtaac 540
 cttttttcat tgttctagag tcttgagggtg tgtgtgggga ggatggagga aganggaagg 600
 ttgnngncc 609

<210> 1889

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1889

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 ttcaaagtgtg aaaattcaag catctgaaat gagagaggga gcacagcctt ttgaagaaaa 180
 ataaagcact aaatttaaaa agtattattt ttatttcagg aaagaagaag cctgagcttc 240
 caaaataact ttttcagact gtttattaac ccagtcaaac caagaaaaca aatgtacaat 300
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 tgagggtggga ggaccgcttg agcctgggag attgaggctg cagttagcta tgattgagt 480
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 aatacaaact attattgctt ttaagaatt cagtatttat ttatttatta aacagataag 720
 gaaatanggg ttttaaaact gcagaaagt ttagaaccag gatagaaact ttcatttttn 780
 ctttgggta aaagaatttt ttttttttt ttttgaaaa cgggggctta acttcttggc 840
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<210> 1890

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1890

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acccgcggca accccggcaa cccagggctc ggcgctcgctg ccaccatgac gggaagcaat   60
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gagcgcattg tcaacagcaa tggggagctg taccatgagc actgcttcgt gtgtgcccag   180
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cacgacttcc aaatgctgtt tgctccgtgc tgtggatcct gcggtgagtt catcattggc   300
cgcgatcatca aggccatgaa caacaactgg caccggggct gcttccgctg cgagctgtgt   360
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tgccacaacc gtgagaaggc caaaggcctg ggcaagtaca tctgccagcg gtgccacctg   480
gtcatcgacg agcagcccct catgttcagg agcgacgcct accaccctga ccacttcaac   540
tgcacccact gtgggaagga gctgacagcc gaggcccgcg agctgaaggg tgagctctac   600
tgccctgcctg ccatgacaag atgggcgtcc ccatctgcgg ggcctgncgc cggccatcga   660
gggccgagtg gtcaacgcgc tgggcaacag tgcacgtgaa cactttgntg tgcaagtgtg   720
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<210> 1891

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1891

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aagatgtctt gtatggtctt aatctttgtt gtgtactatt tttttatagt ctttaagttat   60
aatgaaaaaa caaaaagtag gaaccaaaca taaaaggctc agtaaagcca aaaattaatt   120

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tcatattgat tttaaagtga tctagctgag tttttacact gaaagcaaag attatagcaa 180
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 tatacgggat attaacacta acaatacact cccttcaaag acttgcacag gccaaattgt 300
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 attatggtta ttgctttaca aacagttttg acagaagggtg gctgctagag cttaacatac 540
 gttcccgttc catgtgatgg aaccggttct tgcaaaactaa gctcatcatt gattctttgc 600
 tgaagtcagc aaatagagtt agagagatac ccagtcattc atcacaccaa ataaaaggac 660
 ataacggctt tcaaaanggt tttcccactt acccaaaagg ctttctgaaa gcttctacct 720
 ctgcaaaaaa aaaaaaggaa nn 742

<210> 1892

<211> 882

<212> DNA

<213> Homo sapiens

<400> 1892

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 aatcaggaaa agcagcaaaa acagatttca aagttattat attcatttta aaaaagtaga 180
 ttcttgaaat taatattagt ggaaagcaat atttcaaact acacccattt cttttatagt 240
 atatgacgaa ttatgtagcc acggctggcc ttagggaaac ttggggcgta ggtagttctt 300
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 cccacggctt tctgtcagtc tgggtgctta caaggcttca cactctctat cctcttccag 420
 aaccaagcct ttctctttcc tccctttctt ttaatatata acatctgcat ctagaaaaat 480
 gtccttgcat ttgatagcac aatagattaa atgagataca aattggaaat aaacaggtag 540
 tcttggtggg aaactctttt taggtaggag tatcattccc agggccttag atcaagatct 600
 agaagctata aagggttata gtggtgttgt agaactttgn ctttagttga gctaaaaacg 660

gggttctcgt cacacaacca tgacaaatta ggctcacaga cactttgaag ggtgaccagg 720
acagggggtt attggatgaa aaagggaaaa gaaggactat cagccaaagc cgaggaagcc 780
cggctagccc agttttncac cttggcacac tggaattcca nggtactatg ctgcaacagg 840
aaaaggccag gcttcttccc cactgcaaaa ggcgnggacc tt 882

<210> 1893

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1893

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tcaagcggcc agctctgccc gaggagccca ggctgccccg tgagtcccat agttgctgca 180
ggagtggagc catgagctgc gtcctgggtg gtgtcatccc cttggggctg ctgttcttgg 240
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aataccagca caacgagtct cactcccggg tccgcagagc catccccagg gaggacaagg 360
aggagatcct catgctgcac aacaagcttc ggggccaggt gcagcctcag gcctccaaca 420
tgaggtacat gacctgggat gacgaactgg agaagtctgc tgcagcgtgg gccagtcagt 480
gcatctggga gcacggggccc accagtctgc tgggtgtccat cgggcagaac ctgggcgctc 540
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ctatgtgcac gcactacaca cagatagttt gggccaccac caacaagatc ggttgtgctg 720
tgaacacctg ccggaagatg actgtctggg gagaagtttt gggaaaaccg gnctaatttg 780
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<210> 1894

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1894

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tccaagcgg cgtggcccg gcggctatggc caaaggagaa ggccgagaga gcggctccgc 180
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gggcgtcccg gggtcggcct ggtcagggga ccattgggat agccaggagc aggaagccta 360
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ggcccgctca agttcattca taagaacaag agctcttgct cttaaaggaa cccgcgttcc 720
ttangcattt tgtcttgaat tgttgattg ttccgagccg ggnaaccgtg ctttttgcgc 780
cattng 786

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<210> 1895

<211> 888

<212> DNA

<213> Homo sapiens

<400> 1895

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agaaaaaata gaaacacagg tcaggaaatt agcttatgac acctcagact gtgacacctc 60
caacagcact agtgaggtaa gtaataacct ggccctgttt ttagattaa gaactgtggc 120
cctaagagggt aagggcacac acccgaggtc acgttgctat gtattgtgta atttgggaac 180
caacagcaag acatttctt ttccctcaa acacattctt ttggtctaag cttgaaagcc 240
gtttcttccc aaagccttta gaattcctgg accacatgaa ttgctctgtc tataggcttt 300

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cctagcatcc tctctttccc ctttgatagc attttatccc tggtttaagg ggttgtaa 360
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 tcactcttgc cccttgtgtg gcatgtgctt agtataccta aatggtgact gaatggatga 480
 gtaatagcac acaagatcgg cagcaatgct ccagtgttta aagcaatcaa ggtattggaa 540
 catatcttct aattgtaatt ctttggtttt tgcagtgttc aacatttgct gttgtaataa 600
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 gaactccact gtttccctgg ctttccttcc tttgggctgg ggattttaat aaactgtcag 720
 tcacagaacc atncccaatt ccccttggaa cacacactag aacaataata tgaggaagtg 780
 agcagcaatc tcaggaactt aacttancgt catcagatgg nagttttgga atgaccattt 840
 gcaacttcat gctggtgagt ttcccagatt tcccctggtg ctacttta 888

<210> 1896

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1896

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 cctggttgta tggagacccc cggcaagtcc tctaccccag gaactctact ggggcctact 240
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 tcctgtccag caacatcatc tcagttgctg agaacggcct acagtgcccc acacccaggg 360
 tgtgtgtgtc ctctgccccg gaggacccat ggactgtggg aaaaaacgag ttctcacaga 420
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ccctgggggt ggctctggtc ttgacctact ggttatcttg cttctgcgcc tggtaggctgg 780
 gcccctgggtg ctgggtgctga tcctggagtg ctggcctnct ggcatacngg atctactact 840
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<210> 1897

<211> 917

<212> DNA

<213> Homo sapiens

<400> 1897

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 agagaaatat ccttaaagt ggtatatgtt gaattcaaaa cccaataag ccccataaa 300
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 aatgttataa tattttacta tacttaagga acttgccact tcctgcttat gggtaccact 540
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 gaaagcagaa gtgacagccc tgacagaaaa cagtgaagca gtgttcttgt tttaccaca 660
 ccaaagcaaa ttgntttgat tttcctccac aatgtgtgta gattaaaaag cattagctaa 720
 atcaaaagcc gcatacaaag tgctggaaac cacattctgc tcagtgaaga taccacatcc 780
 tagagcgaat ggtgcaagtg tgacttaagt tatgctaagt ngcattcatc ctataatcca 840
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<210> 1898

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1898

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atgctgacaa catcctcagg tgcagggcaa cggggtcgga cggcgggtac cgggggtgggt 180
gggccgcggc accttgttcg gccagggact ggggcgtccg gcctgagctt cagagggcag 240
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tattttgaag ttacagtttt tatattaata cctggattct actatgtaac ataacccttt 780
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<210> 1899

<211> 915

<212> DNA

<213> Homo sapiens

<400> 1899

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aagcacaacc cgctttcact cttcgaattt gtgcttagct cttttcttgt acctgcgac 180
tcgtgaccaa catgctgtga tgtgtgccga gggaggaatt ggtaagagtg agacggcgaa 240

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tccctctgac tgtcccagcc ttctgcttca ccgcccaccc gcttttcctt tctgtttctc 300
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 aactacagtt ctgggctgtt actgaactta aaaaaaaaaa caacaaaaga taaaatgatt 420
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 aaatagtttt caaaggagtg ctacaaaaaa acccccatgc tttccccaaa acactaactt 840
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<210> 1900

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1900

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 atattaaaag cattgcatag taattgggga acacaaagga ggagaaactg tttcaagaaa 180
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ctgaaacaaa actaactttg tcaggccggt gcagtggctc acacccgtaa tcccagcact 660
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 catagtgaaa ccccatcgct accaaaaaan aaaa 754

<210> 1901

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1901

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 ctgaagattc ctggatcccc tctgctcata ctgggccagt ttcctcgcca cccgtcctgc 780
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<210> 1902

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1902

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cccgtgggt cctagcgccg gcccctgttt ggcagggtcc gggctccgtc ggtgcgagga 180
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gcttcatgca gcccgtgtgc ctgcgcgtgc acctggcctc gcacgtggc gaactgccct 660
tccgtgtgc gcactgcccg aaggcctatg gcgcgctctn caagctcaag atccaccagc 720
gtggccacac angcnagcgg 740

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<210> 1903

<211> 913

<212> DNA

<213> Homo sapiens

<400> 1903

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atgcagatcc ccataaagaa tgttgagatg ctggcctctg ttttggttgc cattagtgtc 300
acccttctgc tcgttgttct ggctcttggt ggagtggttt ggtaccaaca tcgacagaga 360
aagctacgac gcaataggag gtccatcctg gatgacagct tcaagcttct gtctttcaaa 420

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cagtaacatc tggagcctgg agatatacctc aggaagcaca tctgtagtgc actcccagca 480
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<210> 1904

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1904

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 ctttcctaag ggtgtgtgtg tgtgtgggtg tatctgtgtg tgtgtttgtg cgcacacaca 180
 cgctgtgtgca cagggtcgtt anagagttag ctctctggtg tctcttattg atnctttttc 240
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 aaggcactca tcctaacaga tcagtgtgt acccttgtga cctaatttaa ccttaaatac 360
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 ggtggttcat cttacccttt tttagtcaaa tcacatttgg taacatgaat tgaggtgggt 540
 cagctatggt ggcagactca ctaagagtgt catcctcaac taccctgtat tgcttgtggc 600
 atacctagac attctatggc cgaaagagct tgcatgttta aatatttcta tagttttagt 660
 ccttggcaca tggacttgag tccatttctc tgtcaaatgg ccgatagttg ntcctcanag 720
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<210> 1905

<211> 662

<212> DNA

<213> Homo sapiens

<400> 1905

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gggacgagga ggcgggccgcc atcctggagc acctggagta cgcggacgag gcggaggcgg  180
cggccgagag cgggacgagc gcggcggacg agcggggccc ggggaccggg ggcgcgcgga  240
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tcatcatcaa aggatgccgc tacgtggta tggcctgca aggcttcgct gcagcctact  420
ccgccccgtt tgcggtagcc accagcgtgg tacccttcgt gcgctaattg gagctgctgt  480
ggcagggtgcc cccagagtga acgggagccc ctgctgtggg aactttgtga atcctggagc  540
atctcagact tgaacacaca gcatatttgg aagagaaaac atgcctttct ttgntgaatc  600
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gt                                                                    662

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<210> 1906

<211> 874

<212> DNA

<213> Homo sapiens

<400> 1906

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ctagagagag gacatttcct gagtaaaatg aaaatcaaag ctaggagcta atcatatttt   60
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ctttgataag gaagttctat ggcttaaaga gtgtaaccac tagtttttagc agagatgttt  180

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ccttttagttt tgaacattc ttcaacattt caggttcatg atgaaaaatg gctgactgga 240
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 atttgtgtgg acacagggaa ggggtgcatt atgaatatgc aattacctgg catggaatgg 780
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<210> 1907

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1907

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 tcatgaactg gctgatatgt agatggtgtt ttgtgttgt tgtgttact ataggagttt 180
 aatacagaaa tattttaaaa ttagcaaatt ttagaaacag agattatgca tgtcacttga 240
 atataactgt agggcaaact tgtcaggagt ggagtagcag tggttctctc cagagagtgc 300
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 ctggctcttt ttagcattta gacttgtagc tgcctaagta aattcaagt ctgtgggttg 420
 ttataggtat gctgagatag tgattttctc tgacacttgg agaattgatg gaataaagtt 480
 ggagatgcc cagttagcct ttggtaact tcaggcacag cctggcattc ccaggatgt 540
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agctgttgaa gactgccaac tcttaaaggc cttccacaga catagaagaa agaaatctac 660
 atgttcttta ccaggcgggt gcctctaate ccacctactc gggagggtca ngcaggagaa 720
 tcacttgaac tcgggaagtc gaggntgcag tgagcccgag atcgaccacac tngccttcag 780
 cccagccgac agtgtgagac tccgct 806

<210> 1908

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1908

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 tgccccact ggcgccctgc ggcccccca cgccgccttg ctgcggccga gcttctcagt 180
 ggtatccctt gaaatactga cttcaggtcg aattatattg aaaagctcct gaccactttc 240
 tttcattacc aaaactttgt agctgatgtc caaccgatga acccaccacc gtgaacccat 300
 cagacctctc tcagatagcc ataaaagacc cttccaagtc aattttgacc acatctttgc 360
 ttgcacttta tggaggatga aaccatcaaa ccaaataaac gttgctgcta atacaagagt 420
 cttagaggca gcaaattaaa aatttgaaca tttgtttgtg aagaactata acaggacatg 480
 aaagggtgtc ttttttaaag tggtcagaac cctgtggaag tttcgtgcag tcttcagact 540
 caaatcttcg tcttcacccc cggggcaagc tcagtgacta ttatatgggt ggtgtgtttc 600
 cttaccagcg tgagtatgag tgcccagact tnccagcag agaagggcct gaatccgggg 660
 ctgatgtgcc aggaaagtta cncttgcagc gggactgatg aagctatctt tgatgtgatg 720
 agtgctgcan tctgcaatgt cttccgctgc na 752

<210> 1909

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1909

atacaaaaaa attagccggg catggtggtg ggtgcctgta atcccagcta ctcgggaggc	60
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ctccaactgt gcaccacagc gagaccccat ctcaaaaaaa aaaataataa taataataaa	180
atcatctctg ccccaaagct atttcctcag atgcaaacat tttccttgac catagccaat	240
taacctctca acatctaate cacctccctt tggaactggc tgataccttg agaaaccttt	300
cttctccaca gagggtctgc cagttcagat gctgaaaagt ttttctatct ggagaaaccc	360
ataagccata ctattagacc tatgccccaa agagctaagc taagttaaac acacagtgtt	420
tacaaatgag cagctgaaaa ggcacacaag cttaagttgc agaagacaca cacttgattt	480
tccttgctat ggagggccct ttagaacatt ccctacaaag ttattttaga atgtgaagag	540
acagctggga gcggtggctt gagtctctaa tcccagtact ttgggaggcc aaggcgggca	600
gattgcttga gccaggagt ttgagactag cctgggcaac atagtgaagc cctggtctct	660
acaaaaaata gaaaaaaat tagccgggtt tggtagcatg cgcctagacc cagctactgg	720
gangctaagg tggganggat ggctttgagc ctgggangca	760

<210> 1910

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1910

gatgtatatg ttttaattgct tgggtagtaa aagtactctt tgctgacgtg tttgccactt	60
attgcattaa tgattaatca ttttaatgca ttttgatagt ataaaaagac gcctttatta	120
tgtgtgtgtc tctataccaa taacagagct tagtgaactt tgaattactt gcttggcaat	180
tgttttttga agttgtcagc tgtatttgca aatttgcttg tttcagttta gaaccaggct	240
tttcccagca gagacactta attgacattt ggggccagat aattcatagt tggacgggca	300
ggctgtcctg tgtatagcaa caaagatggc ctccactcac tagatgccag tagtagtacc	360
cttatcccc accacctagt tgcgacctag ttgccacacc aaaatgccac cagtcatttg	420

caattttttt ttgtccccta cctctggggg acaaaaatct cacagttgag aatcactgct 480
 ttagaacaaa atttgctata ggtgacctta gagatggaag tagggattgg tggtagaaag 540
 gggtttgttt tagagcatac agaattattgg tatggtatgt tgaattgtat aacaattgta 600
 taataattag gaaaagtcag ttgnttaatg cgattattag gggaagtagc cagatcttag 660
 gaaagcctgt tttaaacctg aaatcggccg ggcnnccggg gt 702

<210> 1911

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1911

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 ggccatttca acccatccca ctccacgaat actcagctca gtcttagcat tggacatcag 180
 tagcaagcaa ctagatgctc ccacctcagg aagcttctaa ttttgtgggg actaccctg 240
 ttgtgcttat tgctaaactt ataacttcagt gaacctttca attctacata atatattcca 300
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 aaccaataat cactgaggat tctgtacatt ccaaagccat gccagggggg ggggccacgc 480
 gggaggcccg ggttcgtttc ccggccaatg caccacagcg gccttggggtt tgggctccag 540
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 agctaacttg cccttcgngc cattccacgc caccaggaag cgcaccggtg cctntcggga 660
 tcggcgaaaa gccttgccgg acccggcgcc cagcccttca gctgtcgagc tgtcgtcctc 720
 catggncgcg cggnagc 737

<210> 1912

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1912

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actagctggg cgtagtagtg cgcacctgta atcccagcta ctcgagaggc tgaagcaaga   60
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ctccagcctg ggcaacagag caagattccg tctcataaaa caaaaaaaaaa ttatgagatt  180
tttaatgtgt ggcccaattc ctcttcttgc agtgtggccc aggggaagaga aaagattgga  240
caccacagca taaagccttc ctccattctt gcagtggcgt gggatcaggg aacagaaact  300
cattttcatc ctactgttgt ggggaacctt tcagtacttc ctacagggca ggaggacgcc  360
aacatgcgac caccttcctc cctcgcgga cctccgactc ccgcccagcc caggcgcccc  420
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gcccctcctt gtaggacttc tgagcctcac ccccgagccc tcgtaagata cctgtggagc  540
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cttgctcctg cctgggtgct gtaccatgat ggcaccacaa tggccaagt gaccaccacc  660
tttgctggaa cggtgcatg cacacagcac tgggcacaa cagctctgca gtgcccata  720
ctggtcacca tgcagccct taacacggaa cagggggcaa cancaccatg aatatncttc  780
agcccaactg anccttg                                     797

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<210> 1913

<211> 822

<212> DNA

<213> Homo sapiens

<400> 1913

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attcgaggat tttgatattc aggggggttc tggaacaaat ctggatactg agggatggct  180
ctacagcctt tcagaattaa attttctatg attttaatgg ttctttcaaa gaccatgaca  240
gtaatcactg acgcctgttg ctttacaat ctgcttgtag aagtaacatt tccatgatta  300

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tatgtacaag taaaaaatc ccactataca aataacaaat ccaagatcag tgaaattgag 360
 tacgatgaca attaaaatgg ttgcataaa tgcctataa cacatggaac acatgattca 420
 tcctcttgct aatgttccca gtttggcatc ttctaagatc atattatttg agcacaattc 480
 ttgatgcaga atcatctctc tgttccccta ctgccttggt agagggaaca tttcctcctt 540
 atgtgtctta gaatatTTTT acctaacatg cttaaacaaa acaaatttca ttcttaacat 600
 caggctctga aagttccttt tagttagcat ttgctatatt gacagctggt ttgacaagta 660
 catatTTTtag cataagaaaa aaacagcagg ccgggtgcag tggcccttgc ttgtaatccc 720
 agcactttgg gangccaagg angcagattg cttgagctca ggagatcaag ggcagcctgg 780
 gcagcatacc aggaccccggt ctttacccaa aaaaaaang aa 822

<210> 1914

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1914

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 tcacagtatg taatttgggt gtacaaaatg cctgtagttg aaagtgcttt actcctctgc 180
 agtggcaagc tgagcttctt gttggctgat tccttatggt tgcagtaaag aggctgggtg 240
 cagttagaaa gaaagcatcc atctagtaag tgcattcaca tcaccttca aatgccatag 300
 gccttagctc caggacattt tctgcctgtc tcttccctc cctccttctt tcttttctt 360
 ctctccttcc ctctttcctt tgttcttctt tcttccctc ccttccctc cttttcttcc 420
 tagttcccc tttctttcct tcttctatt gaataaaacg caaagtaatt ctttttctac 480
 ttactttgat tcttatcagc tttcttaagc agtttcttg ccgctgttgt gaattacatg 540
 gggctgtggt aaaatgtggc acatttcaag gctatgtatc ctttagatt ctggttcaact 600
 aagcttgga ataaatagga gagcttacgc ttttaactac tagcctgcga ttcgtataat 660
 catgttagnt tgagaaacac ttcagtaatc acacatgtaa nggctttgga gtaagatgga 720
 ccttgggtat ncaacgctta ctggg 745

<210> 1915

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1915

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acagatagaa cccaaagaaa ggcaaagagt cctgcccggc accggcgccg cgtgggcca 60
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ccagcattgt gttagtgccg ggaggccact gtgtcagcaa gctgagaggg aaactgaagc 180
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cggatcagcg tgggcgcccc tgtctacatg gcggcagtca ttgagtacct ggcagcggaa 360
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cacatcttgc tggcagttgc caatgacgag gagctcaacc agctgctaaa aggagtgacc 480
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acgtcaggca agaagggggg gaagaaatcc aaggctgcca aaccacggac gtneaaaaag 660
tccaaaccaa aggacagcga ttaagaagga acttcaaatt ccacctctga agatggccan 720
gggatggatt caccattctg tcttctaaaa ccttgntctg ggacagaact gtcntaacc 780
agatgacata gccatattgc ttcatgaga 809

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<210> 1916

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1916

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atttgcctc cttccccct tcgtccgctc tcattggctc tgctgccttc atgtgcttca 60

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gccctacgtt gtttatgtcc agaatacagat attggagctg actctgcctg tccagggcct 120
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aagtgggtct gtgcacagnc ctcagccaga aggcgaccaa tcacaacctt catatcacag 780
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<210> 1917

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1917

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gtcgattaaa aatttaattt ttttttgaga tggagtctca ctctgtcacc cagggttaga 180
atatcaaaat atctaattta tatctaata tatgggttag gatatctaac ccatatgatt 240
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tggtttttcc aaaaggaatc caatttactt ttgctgtgag ctattttgac aaatagttag 420
aactctgaaa gttaatagtt tgtatcttct ttaggggtat cgctggagaa tttccccctc 480
tgtaaagaat tgctcattcc acctggaacc caaaactata tggtgagaat gcgactctat 540

gacgtcaacc gtcggcagct gaacctcacc atccggattg tgtgtcgagc agaaggatcc 600
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 aatggagcca atgcaaatag attacttcaa cagtctgagc tgctggaaca ttncgtcttn 780
 catcataaat gcttaatcat gctcaaaact ggctttttan gcaagaactg agcccactaa 840
 atagattcag tttcctcttt c 861

<210> 1918

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1918

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 tttcttcccc tctgttcctt cccccaatca ttctcttctc tattctatgt ctctgaagct 180
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 Dctccaaaaag aggtcttctt tcctttcttc ttatttgaat ctttaatagg ccatttgcatt 480
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 aggacatgaa agtcttttgt aggctgggga gcccaaactc tttctataaa gggcaagtgg 780
 gaaatanttt cagttatgag ccatagagtc tctggtgcag ctattcaact gtgccgaaaa 840
 gcagccncag acagtaagga 860

<210> 1919

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1919

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gtttagaga taaatgaaa gttcacagag ttacttttgg caattaccaa ttgtgaggag   60
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tgtcctgtga aagtacagct gagatctggg gaagaaaaat ttcctggagt tgtacgcttc  180
agaggacccc tgtagcaga gaggacagtc tccggaatat tctttggagt tgaattgctg  240
gaagaaggtc gtggtcaagg ttactgac ggggtgtacc aagggaaca gctttttcag  300
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gacactgcat tggaaagtga ttacgcaggt cctggggaca caatgcaggt cgaacttcct  420
cctttgaaa taaactccag agtttctttg aaggttggag aaacaataga atctggaaca  480
gttatattct gtgatgtttt gccaggaaaa gaaagcttag gatattttgt tgggtgtggac  540
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gcgtgtgttg aaagtacaat tctattgcac atcaatgata tcatcccaga gagtgtgacg  660
cangaaagga ggcctccaaa cttgccttta tgtcaagagg tgttggggac aaaggttcac  720
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<210> 1920

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1920

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gacctccac ctcagcctcc caaaatgcc a gaattaacag atgtgagcta ccgacccag 240
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 aatctcacca tcctccacc tattctccca tccccctgt cagacacttc ctcacgttgc 660
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 cactgctaag acacttcatt ttggcatgca ccattttgga agatctcaaa atccttttcg 780
 ggacaatnaa atatentacc cttgatacct gaagtgtggt tctgangccc tgaagcggtt 840
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<210> 1921

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1921

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 ctacggccat aaatgcccgg agattagcgg agaagctccg agcccagaaa cgggaacaag 180
 acacaaagaa ggagccggtg tccacaaacg ctgttcagcg gagagtgcaa gaaatagtgc 240
 ggttcacacg gcagctgcag cgagtcacc ccaacgtgct tgctaaggca ctgacccgag 300
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 gtgtaatggt gttggcttgg gacaaggaca tggcacatca agtccaagag ttgttttagaa 540
 cccgtcaggt ggtgaagaag tactgggcca tcaactgtgca tgtcccatg ccctcagcag 600

gagtcgtgga catccccatt gtggagaagg aggcgcaagg ccagcagcaa caccacaaga 660
 tgacattgtc cccgagctac cgnatggacg atgggaaaat ggtgaaagtg cggcgcaacc 720
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<210> 1922

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1922

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 actacggttt ctggttgtgt tcccaagtgg gaatatgggc tgttcacgac ctcggaatgt 180
 agaatgcct cattatttat tcagtagaca tccaataaat gcggatcaac agcttgccta 240
 tctttgatag tttttggcag tgtgtgctgg ttttaatctt tgtacttgtc ccataagtga 300
 ccccatgact agagagtggg ctcttccatc ttgtaagagc cttctgttca cgttctgttc 360
 tttttatgag aaggaagttc cagtgcatac cccaacataa agagaaacgt tgaatacgta 420
 ctgtttttct cttatatata tgctcaaaat aacgactgta gtaaacagtc gtcattgatta 480
 taggatgaat tacgcagcca ttcataagatt tttgtagttg tcatttaca gttgactatg 540
 caatagtcca taggcttatg aatacataat ctaacaatat tagctgggtg cagtggctca 600
 cacctgaaat cccagcactt ancgaggcca aggtagcttg attgctagag cccaggagtt 660
 caagactagc ccgggcaaag ggcaaaaccc catctctaca aaaactacaa aaagaaatta 720
 gccgggcatg gtggtgcttn ccgggagtcc cagctacttg ggangcaaan gtgggaaggc 780
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<210> 1923

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1923

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atcccagcac tttgggaggc agaggcgggc ggatcacgag gtcaggagat taagaccatc	180
ctgattaaca tggtgaaacc cgtctctac taaaaataca aagagttggc cggatgtggt	240
ggtgggcgcc tgtggtccca gctactcgga aggctgaggc aggagaatgg cgtcaacctg	300
ggaggcggag gttgcagtga gccgagatcg cgccactgca ctccagcctg ggtgacaggg	360
cgagactctg tctcaaagaa aaaagaggaa aaaaagaaaa aagactttct tattaagaga	420
gcattataca ggccaggcgc ggtggctcat gcctgtaatc tcagcacttt gggaggccga	480
ggcagggtgga tcacgaggtc aggagatcga gaccatcctg gctaacatgg tgaaatcccg	540
tctctactaa aaatacaaaa aattagcggg gcgtgatggc gggcgtctgt agtcccggct	600
actcgggcgg ctgangcagg agaattggagt gagcctggga ggcggancct gcaacgggct	660
gagatctcac cactgnactt caacctgggc aacagagcga gacttcgtct caaagagaga	720
gagagacagc attatncaga gaacaaattg ggtagacttt tttagaatga tagantgcag	780
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<210> 1924

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1924

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cagtacaaa accacactaa ataagttttg atttcctggg cttccttggt ttatgttgaa	180
attggtggtg aggctcagta atagtttctt aaatgttaag gctagaagtt gtacaccacc	240
tagtggctgt gtacattaaa acaggaagca gaaaccggcc aggaagaggg agccggatct	300
ggatgtgtct attggagtga ctgcagcact ccatatagaa cctgggcatt gctctcttta	360

ttttaattg aagtaaaatt tgngatagca ttttaciaat tgaaaatagc tgtgtcattt 420
 aaaaaattcc cattaaattt gttcccagta cccctcatgt ttccagtgat ttccttctac 480
 tctgtcagtg tgcggttaag ccgtatagac tcattttaat actaatgtca gccaaataaa 540
 attaataagt taaacttatt tcccttatca ttatatacat cctaaagcca atgtatttta 600
 aaattgcttg tccattgcct gctctccttt gataaaaatt gtagnttcac ttagcatatg 660
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<210> 1925

<211> 674

<212> DNA

<213> Homo sapiens

<400> 1925

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 agctcgtcac cagggccctc cagctggtgc agtttgactg tagccctgag ctgttcaaga 180
 agatcaagga gctgtacgag acccgctacg ccaagaagaa ctcgagcct gccccacagc 240
 cgcaccggcc cctggacccc ctgaccatgc actccaccta cgaccgggcc ggcgctgtgc 300
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 cgttctttta tatgctggat gagctgctga agcccaccga attagtcca cagaacaacg 480
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 ggaactccag ggaactgcag cccggagtta aagccgtgca ggctcgtcctg agaatctgtt 600
 actcagacac cagctgccct nangaggacc agtaccgggc caacatcgct tgtgaaggtc 660
 aaccacagnt actg 674

<210> 1926

<211> 625

<212> DNA

<213> Homo sapiens

<400> 1926

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 agactcctac ggatgccagt ggagacgttg tgggcctggg tctgctgccc actccccagt 180
 gggtcaggac tccggcaggg tctcctgggc taaagcatgg aggtgactgt gtcccaaggc 240
 actggcagct ctgcccagcc tgttcctttc ccaccctctg gccctcagcg actttggctg 300
 catgtgcctc tggcagggca gaaccagaag tgggggccta gtggccttcc aatttggggt 360
 tcttgagaa ggagcctggc gtgccctcct tggggagcag gtggacagac tggatgtttt 420
 atggagtctg ggggagtcct gcggcagcta tatctgttaa atgccaagaa gccaaagtgg 480
 tttaatatga ttgtagctgc tgctttgata aatcaaaata attaaaaata ataaatttga 540
 ttcctcaacc aacaggctgt gtgtgggcgc agggcctggg ctgccnagtc agggccgang 600
 aggtgggagt gggcacggng acaca 625

<210> 1927

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1927

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 acatgctaga tctgggctag gagacttggg ttctaggcct ggctctacct tgaacttgct 180
 ctgagacctt gggcaagtca ctatacatct ctgggcctct aatttttcat gtgtagaaat 240
 aggaggctaa ggaaaaagat taaattagca tttcgtagat cactaggtat catatcaggc 300
 atttcacag catcatctca ttactcaac aaagattaat ggatgtctac agtgtgatac 360
 agcctgtctt caagcagcaa tcaatttaga agggaagaca gccctaggat ctaaaagcat 420
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tagagtccta tgattataag ttttgaacag attgttttat tttaaaaatg cccttgaaaa 540
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 ctttctggaa tatgctgtat ttcccaaate tgcattaccc cacattccaa taattgctgg 660
 tggctctctgc tttttgctta gcccaaccaa gtataaaaag cttccaggac tccttgacgc 720
 cactgggcta gactgccccaa aagaccacaa cttccatact attagagaga aagacctcta 780
 gttccttttc cctttggtgg atctgggtccc tttcttatat atcgagacta ttatgaaccc 840
 gtaaccacaa tttcttnca 859

<210> 1928

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1928

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 gactcctccc ttatggctgg gatcatttac tatagccagg aaaagtactt ccaccatgtg 180
 cagcaggctg cagctgtggg cctggaaaaa ttcagcaatg accctgtgtt gaagttcttt 240
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 ggccctggag gtggtgaacc agatcactgt gacttcaggg agcttcctgc cagccctcgt 360
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 gcttgcaaga gaaggaaaca tgaccacagt aagttctttg aagactcaga aggtgatcct 540
 tgaaacagaa tcaaggagga acccttcatg acctgtgcac ctgacccaaa gccctttag 600
 ggagctcctg gatctcagct tctcttttct accccacccc tatactcgtt gccaaaggagg 660
 cctgctctgg tttgactctt tgagttgtgt ancttgggag tcangcanca ttaggcagtg 720
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<210> 1929

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1929

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tagctgtgaa cccggcgga ggtcccgggc cccggggcgc tcgctcaggt aaatttttcc 180
ataaccttat ggagagaaag gactttgaga catggcttga taacatttct gttacatttc 240
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cctttgaaac ctcgtcatta attggacaca gtgccagant gtatgcactt tactacaaag 660
atggacttct tttgtcaggg tcanatgact tgcttgnaaa ctgtggaatg tgagcaca 718
    
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<210> 1930

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1930

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cgaaggcgct cttacagctg atatttttcc agctgcctat ctccccagag cgtggagcgg 180
cctccagagt ggggtcaggg atggggcgag agggccagac ctgcctgggc cgggcagctc 240
agcatctctc tgagctgctg aacacctatg gaggctgtgc tcatgttcac tgggtggtgtg 300
    
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actttgtgtg accttgccac ttcactcttt cacagcctcg tttcctttat ctgtcaaagt 360
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 ggtaggggtg acctcaggac ccgnactgtc tgcccatgac caaggagtga gactgcttgg 720
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<210> 1931

<211> 707

<212> DNA

<213> Homo sapiens

<400> 1931

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 aatttctatc ctttttaagg ctaaatgacc cattgtatgt acgtatcact gtttatctat 360
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 caatggctca tgcctgtaat cccagcactt tggaagggtg aggtgggcag atctcttgag 480
 gtcaggagtt cgagaccagc ctggccaaca tggcaaatcc catttctact aaaaatacaa 540
 aaattagccg ggcggtggtg caggcgccta taatcccagc ttcttgggag gctgtggcag 600
 gaaaatcact tgaaccccgg aggcggaggt tgcagtgagc caagactgtg gccactggac 660
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<210> 1932

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1932

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<210> 1933

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1933

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